JAMECO®

ELECTRONICS

Great Products, Awesome Prices!

Catalog 261
February 2006

Exploding With 5x More Product!

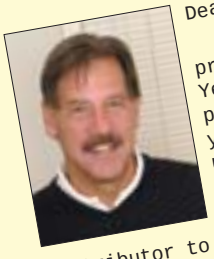
- The Lowest Prices — Guaranteed!
- Popular Name Brands
- Money-Saving Jameco House Brands

Also, New RoHS Compliant Products!

www.Jameco.com

1-800-831-4242

The Only Distributor to Provide a Real Choice!



Dear Catalog Reader;

You have lots of choices to make when selecting products and suppliers from which you purchase. Yes, you need the ***right*** product selection, the ***right*** prices, and the ***right*** quality. So before you make your choice, please take a couple of moments to understand why we believe you'll want Jameco to be at the top of your preferred distributor list…

First, Jameco is the only major electronics distributor to provide you a ***real choice*** in products. Yes, we supply the name brands you use most often, and they're guaranteed to be at the lowest prices. Just as important, ***we also offer*** comparable-quality money-saving Jameco house brands at substantially reduced prices; typically 20-30% below name brands. So rather than offering a single class of multiple name brands all at about the same price, Jameco gives you a ***real choice*** unavailable from other distributors. A choice of name-brand products at below market prices, or Jameco house brands at even greater savings.

Concerned about product quality? We are too. Our exclusive lines of ***Jameco ValuePro***™ and ***ReliaPro***™ products carry our name for just one reason. We stand behind the quality and price.

We're also growing our product line faster than any other distributor! Every day we push ourselves to the limits to bring you the best products. The result? We now offer 5x more items than we did in 2004. In this catalog, you'll find almost 11,000 new RoHS compliant products. We've also recently added thousands of memory devices, thousands of new connectors, more switches than you will toggle in a lifetime and much more. Just check out the hundreds of expanded product families on page 3!

Now you have a ***real choice*** in both name brands and money-saving Jameco house brands, all offered at the guaranteed lowest prices. So shouldn't Jameco be at the top of your preferred vendor list? Let me know what you think at BobC@Jameco.com.

Best Regards,

Bob Croshaw,
President & CEO

P.S. – Here's another truly unique Jameco Advantage that no other distributor can match – over 99% of the items in this catalog are in stock and ready for immediate shipment.

A New Way to Save:



Now small and medium-sized OEMs have a competitive edge when buying from Jameco! Our recently introduced **ValuePro** line of passive, electromechanical and interconnect products and **ReliaPro** power products and small motors are high-quality electronic components. Each is guaranteed to be at the lowest price you'll find. In fact, if you find a lower print-advertised price, we'll beat it by another 10%, right down to our cost.

JAMECO ValuePro
- ✓ Awesome Prices
- ✓ Consistent Quality
- ✓ Professional Grade
- ✓ Backed by Jameco



No more high-priced brand markup… no more costly layers of distribution… no more restrictive

RoHS Compliance: Now at Jameco!

Yes, RoHS compliant products are available at Jameco! So while, we continue to be your prime source for the lowest-priced legacy products, you can now purchase over 80% of the products in this catalog in RoHS compliant versions too!

RoHS — ℝ RoHS Compliant Product; ⊕ RoHS Also Available

Products are denoted for your convenience. Products that are only available as RoHS compliant are marked with an ℝ. Products available in both compliant and non-compliant versions have a ⊕ after the product number of the non-compliant legacy version. To order a compliant version, simply add an "R" to the beginning of the non-compliant Jameco Part Number and you'll get the RoHS equivalent product. (e.g. – 12345 becomes R12345)

Contact Information

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The Jameco RobotStore
Phone: 1-800-374-5764
Website: www.RobotStore.com

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Jameco ValuePro™ and ReliaPro™ Products!

franchise agreements that hold prices high. Instead, Jameco cuts out the costly markups and layers of distribution and sells its products direct to you, so you can put the savings back in your wallet! With over 30 years of experience sourcing and qualifying products from around the world, Jameco is distinctly qualified to provide the highest quality products at the lowest prices anywhere. We're extremely selective in choosing our sources, so we'll protect you from counterfeit and poor-quality suppliers. Jameco has been focused on helping its customers save money throughout our 31 years.

JAMECO / ReliaPro
- ✓ Reliable & Consistent
- ✓ Professional Grade
- ✓ Awesome Prices
- ✓ Backed by Jameco

Once you've made the decision to save...





We continue to scour the world, looking for the best deals in quality electronic components and passing the savings to our customers. Jameco **ValuePro** and **ReliaPro** products are just the latest way we'll help you compete in this ever-changing economy. Be sure to look through this catalog for the thousands of **ValuePro** and **ReliaPro** products available today at Jameco's awesome prices!

Our Low-Price Guarantee Isn't Used Very Often ...



... and we like it that way!

But it is offered for good reasons. We take our product sourcing and pricing very seriously. We search the world to bring you the lowest-priced, highest-quality components. And most importantly, we want you to know we truly stand behind our having the lowest prices!

Check Out These Money Saving Sample Price Comparisons*

Take a look through this sampling of recent price differences among our competitors, and calculate the substantial savings! Pricing will fluctuate, so please be sure and double-check when making purchases. But always remember, with Jameco you'll always get the lowest price! GUARANTEED!

Product Description	Jameco® Part No.	Jameco Page #	Jameco® Price	Digi-Key® Corp.	Mouser® Electronics	Newark InOne®	Minimum Savings	Minimum Discount
Cap, Tant, 2.2uf, 35V	**33734CB**	70	**$0.35**	$0.64	$0.47	$0.64	$0.12	25.5%
Capacitor, Mica, 1nF, 100V, 5%	**16011CB**	69	**$1.19**	$3.80	$1.85	$1.90	$0.66	35.7%
Cermet Pot, 50k, 3362P-503	**254027CB**	84	**$0.59**	$0.83	$0.83	$0.98	$0.24	28.9%
BNC, Amphenol 31-2221, Recep.	**223538CB**	140	**$2.89**	$4.18	$3.90	$4.16	$1.01	25.9%
EEPROM, 24C01, 128x8, DIP	**276592CB**	13	**$0.36**	$0.45	$0.48	$0.596	$0.09	20.0%
Fan, 54CFM, 3.63" sq. x 1", 12VDC	**319193CB**	187	**$7.95**	$31.14	$30.98	$27.43	$19.48	71.0%
Logic, 74ACT138, DIP	**212038CB**	19	**$0.25**	$0.68	$0.62	$0.432	$0.182	42.1%
Logic, 74AHC374, DIP	**214210CB**	20	**$0.44**	$0.66	$0.70	$0.66	$0.22	33.3%
Logic, 74ALS240A, DIP	**245753CB**	30	**$0.63**	$0.75	$0.99	$0.756	$0.12	16.0%
MOC3010 Opto-isolator	**26278CB**	49	**$0.56**	$0.79	$0.87	$0.82	$0.23	29.1%
RCA Jack, Panel Mount, RA	**220564CB**	114	**$0.45**	$0.61	$0.53	$0.735	$0.08	15.1%
Relay, 4PDT, 5A, 12 VDC	**291506CB**	176	**$4.45**	$7.63	$7.07	$6.76	$2.31	34.2%
Term Block, 12 pos, 10mm	**215028CB**	145	**$1.89**	$8.69	$4.64	$4.58	$2.69	58.7%
Toroid, 150uH, Vertical	**208320CB**	88	**$4.35**	$6.24	$6.03	$6.81	$1.68	27.9%
Wire, 18awg, Stranded, Blk., UL1007	**125786CB**	100	**$5.79**	$30.83	$18.54	$25.21	$12.75	68.8%

* This chart is a snapshot of single-unit prices taken from each party's website on November 28, 2005. Prices shown do not reflect added shipping & handling charges or any available discounts.

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Robotics, Solar, Educational Kits, Books, etc.

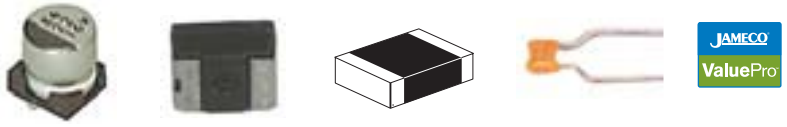
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PRICES

Prices are effective 01-09-06.
Prices and discounts are subject to change without notice.

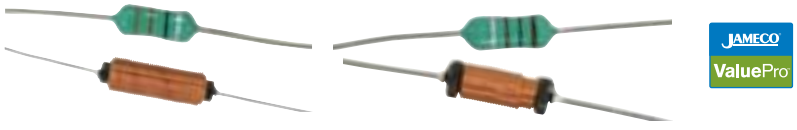
New! Jameco ValuePro™ Capacitors



Need a large selection of surface mount or through-hole capacitors? Now you don't need to look any further than this catalog. Jameco just added about 1,000 new capacitors in a wide range of capacitances, voltages and packages to meet your project needs. Look to pages 63-77 & 313 for Tantalum, Electrolytic and Ceramic devices with radial and axial leads, plus SMT devices in the popular 0402, 0603, 0805, 1206, 1210 and 1812 series.

See pages 63-77 & 313.

Great Reactance; Popular Inductors!



Jameco continues to expand its line of money-saving Jameco **ValuePro™** inductors. Now you'll find hundreds more J. W. Miller equivalent RF chokes, including the popular 5200 series hash, 5300 series conformal-coated and 5800/5900 series high-current devices. Plus, you'll also find hundreds of other Jameco **ValuePro** inductors, including 2100, 2200, 2300, 77F, 78F, 9230 and 9250 series equivalents.

See pages 85-88.

New! GC Electronics Products

Jameco now offers a broad selection of products from GC Electronics, a low-voltage components supplier for over 70 years. So whether you need a wide variety of general purpose switches, network connectors, or chemicals, be sure to look through this catalog for great savings in GC Electronics products!



See pages 107, 156-169, 174 & 313.

Affordable Digital Surveillance!

Convert a PC into a Digital Video Recorder with remote viewing access. Our sophisticated additions include video motion detection, so you're not using up valuable disk space while the room is vacant. Plus, each card will simultaneously record up to four cameras, and provide remote viewing access across the internet, a LAN or a WAN.



See page 257.

Triad Transformers

Jameco now offers quality power and audio transformer products from Triad Magnetics. By combining over 50 years of design innovation with world-class manufacturing, Triad products offer the quality and reliability needed to make them the engineer's first choice, in an industry with over 500 manufacturing competitors!



See pages 88, 218 & 221.

Quality Electroswitch Products

As a 60 year old company with its roots in the military, Electroswitch has established itself as a premier supplier of power switch and relay products. Check out our expanded line of products on pages 164 & 169. You'll want to see why Electroswitch products are used in virtually every major US electric utility!



See page 164 & 169.

Just Expanded: Kingston Memory Modules!

We just expanded our selection of Kingston Memory products. Kingston is a recognized leader in PC and Printer memory modules. Now you'll find the best prices in our expanded selection of unbuffered and registered DIMMs and SODIMMs with capacities up to 1GB, all right here at Jameco!

See page 235.



Real Choice – Our Money-Saving House-Brands and Popular Name Brands!

Jameco is the only major electronics distributor to provide you a ***real choice*** in products. We provide you with both well-known name-brand devices for BOMs that require them, and Jameco house brands for the greatest savings. ***It's your choice.***

Jameco's unique blend of products expands your buying power. Now, in addition to name-brand products, you can purchase trusted **Jameco ValuePro™** and **ReliaPro™** electronic components at greatly reduced prices. And these comparable-quality products are typically priced 20-30% below equivalent name brands!



Open this catalog now to see what ***real choice*** is all about!

Jameco Now Offers These Popular Name Brands Too!

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Microcontrollers

RoHS Compliant Product
RoHS Also Available

Color Code Legend: New | Sale | Lower$ | QtySave

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

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Microchip PIC Microcontrollers

DIP  SOIC 

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
310973CB	PIC10F200-I/P⊕	DIP-8	Flash	4	384	16	4	$.88	$.82
310981CB	PIC10F202-I/P⊕	DIP-8	Flash	4	768	24	4	1.03	.94
311010CB	PIC10F204-I/P⊕	DIP-8	Flash	4	384	16	4	1.02	.94
311028CB	PIC10F206-I/P⊕	DIP-8	Flash	4	768	24	4	1.16	1.08
145040CB	PIC12C508A-04/P⊕	DIP-8	OTP	4	512	25	5	1.49	.99
145058CB	PIC12C509A/JW⊕	DIP-8	EPROM	4	1k	41	5	12.95	12.28
144258CB	PIC12C509A-04/P⊕	DIP-8	OTP	4	1k	41	5	1.49	1.09
193455CB	PIC12C671-04/P⊕	DIP-8	OTP	4	1k	128	6	2.79	2.42
193463CB	PIC12C672-04/P⊕	DIP-8	OTP	4	2k	128	6	2.79	2.44
200475CB	PIC12CE518-04/P⊕	DIP-8	OTP	4	512	25	6	~~$1.79~~ 1.69	1.55
200483CB	PIC12CE519-04/P⊕	DIP-8	OTP	4	1k	41	6	~~$1.89~~ 1.75	1.59
248137CB	PIC12CE673-10/P⊕	DIP-8	OTP	10	1k	128	5	3.39	3.19
248145CB	PIC12CE674-10/P⊕	DIP-8	OTP	10	2k	128	5	3.45	3.05
223790CB	PIC12F629-I/P⊕	DIP-8	Flash	20	1k	64	6	1.59	1.39
247193CB	PIC12F629-I/SN⊕	SOIC-8	Flash	20	1k	64	6	1.59	1.41
312493CB	PIC12F635-I/P⊕	DIP-8	Flash	20	2k	64	6	1.79	1.66
312506CB	PIC12F635-I/SN⊕	SOIC-8	Flash	20	2k	64	6	1.79	1.66
223781CB	PIC12F675-I/P⊕	DIP-8	Flash	20	1k	64	6	~~$1.99~~ 1.69	1.07
247206CB	PIC12F675-I/SN⊕	SOIC-8	Flash	20	1k	64	6	1.95	1.66
312514CB	PIC12F683-I/P⊕	DIP-8	Flash	20	4k	128	6	2.19	2.05
312522CB	PIC12F683-I/SN⊕	SOIC-8	Flash	20	4k	128	6	2.19	2.05
247361CB	PIC14000-4/SP⊕	DIP-28	OTP	4	4k	192	22	11.99	11.45
247370CB	PIC14000-4/SO⊕	SOIC-28	OTP	4	4k	192	22	11.65	11.55
128338CB	PIC16C54A-04/P⊕	DIP-18	OTP	4	512	25	12	~~$3.59~~ 2.25	2.02
247214CB	PIC16C54C-20I/P⊕	DIP-18	OTP	20	512	25	12	2.35	2.08
247222CB	PIC16C54C-20I/SO⊕	SOIC-18	OTP	20	512	25	12	2.35	2.15
247231CB	PIC16C54C-20I/SS⊕	SSOP-20	OTP	20	512	25	12	2.45	2.30
200416CB	PIC16C55A-04/P⊕	DIP-28	OTP	4	512	24	20	2.45	2.25
247249CB	PIC16C55A-20I/P⊕	DIP-28	OTP	20	512	24	20	2.95	2.92
247257CB	PIC16C55A-20/SO⊕	SOIC-28	OTP	20	512	24	20	3.05	2.75
134172CB	PIC16C56-RC/P⊕	DIP-18	OTP	20	1k	25	12	~~$4.49~~ 4.05	3.35
247265CB	PIC16C56A-20I/P⊕	DIP-18	OTP	20	1k	25	12	2.85	2.55
247273CB	PIC16C56A-20/SO⊕	SOIC-18	OTP	20	1k	25	12	2.55	2.37
193341CB	PIC16C57C-04/P⊕	DIP-28	OTP	4	2k	72	20	3.19	2.09
247281CB	PIC16C57C-20/P⊕	DIP-28	OTP	20	2k	72	20	3.35	3.08
247290CB	PIC16C57C-20/SO⊕	SOIC-28	OTP	20	2k	72	20	3.55	3.25
247302CB	PIC16C58B-20/P⊕	DIP-18	OTP	20	2k	73	12	2.75	2.47
247311CB	PIC16C58B-20/SO⊕	SOIC-18	OTP	20	2k	73	12	~~$2.85~~ 2.65	2.53
247433CB	PIC16C62B-20/SO⊕	SOIC-28	OTP	20	2k	128	22	4.25	3.94
247425CB	PIC16C62B-20/SP⊕	DIP-28	OTP	20	2k	128	22	4.45	3.95
193324CB	PIC16C63A-20/SP⊕	DIP-28	OTP	20	4k	192	22	5.49	4.84
247450CB	PIC16C65B-20I/L⊕	PLCC-44	OTP	20	4k	192	33	7.85	7.75
247441CB	PIC16C65B-20I/P⊕	DIP-40	OTP	20	4k	192	33	6.15	5.96
200424CB	PIC16C66-04/SP⊕	DIP-18	OTP	4	8k	368	22	~~$6.45~~ 5.95	5.35
247476CB	PIC16C66-20I/SO⊕	SOIC-28	OTP	20	8k	368	22	~~$8.75~~ 8.25	7.75
247468CB	PIC16C66-20I/SP⊕	DIP-28	OTP	20	8k	368	22	~~$8.75~~ 8.25	7.75
247492CB	PIC16C67-20/L⊕	PLCC-44	OTP	20	8k	368	33	9.15	8.95
247484CB	PIC16C67-20/P⊕	DIP-40	OTP	20	8k	368	33	~~$8.75~~ 8.25	7.75
200432CB	PIC16C72A-04/SP⊕	DIP-28	OTP	4	2k	128	22	4.79	4.39
247695CB	PIC16C72A-20I/P⊕	DIP-28	OTP	20	2k	128	22	5.35	5.16
247708CB	PIC16C72A-20I/SO⊕	SOIC-28	OTP	20	2k	128	22	5.65	5.16
200441CB	PIC16C73A-04/SP⊕	DIP-28	OTP	4	4k	192	22	8.25	7.79
200459CB	PIC16C505-04/P⊕	DIP-14	OTP	20	1k	72	12	~~$1.99~~ 1.09	.99
247329CB	PIC16C505-20I/P⊕	DIP-14	OTP	20	1k	72	11	2.05	1.95
247337CB	PIC16C505-20I/SL⊕	SOIC-14	OTP	20	1k	72	11	1.99	1.78
247388CB	PIC16C554-4/P⊕	DIP-18	OTP	4	512	80	13	3.75	3.72
247396CB	PIC16C554-4/SO⊕	SOIC-18	OTP	4	512	80	13	3.85	3.80
247409CB	PIC16C558-20/P⊕	DIP-18	OTP	20	2k	128	13	4.99	4.84
247417CB	PIC16C558-20/SO⊕	SOIC-18	OTP	20	2k	128	13	4.95	4.92
247505CB	PIC16C620A-20I/P⊕	DIP-18	OTP	20	512	96	13	2.25	2.05
247513CB	PIC16C620A-20I/SO⊕	SOIC-18	OTP	20	512	96	13	2.15	2.06
247521CB	PIC16C621A-20I/P⊕	DIP-18	OTP	20	1k	96	13	2.55	2.49
247530CB	PIC16C621A-20I/SO⊕	SOIC-18	OTP	20	1k	96	13	2.59	2.54
193383CB	PIC16C622A-04/P⊕	DIP-18	OTP	4	2k	128	13	~~$2.69~~ 1.85	1.65

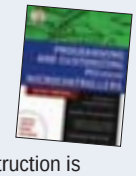
RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Microchip PIC Microcontrollers SSOP PLCC TQFP

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
247548CB	PIC16C622A-20I/P⊕	DIP-18	OTP	20	2k	128	13	$3.15	$2.97
247556CB	PIC16C622A-20I/SO⊕	SOIC-18	OTP	20	2k	128	13	3.05	2.86
247581CB	PIC16C710-20/P⊕	DIP-18	OTP	20	512	36	13 ~~$3.95~~	3.75	3.05
193359CB	PIC16C711-04/P⊕	DIP-18	OTP	4	1k	68	13	3.99	2.29
247599CB	PIC16C711-20/P⊕	DIP-18	OTP	20	1k	68	13	4.65	3.60
247601CB	PIC16C711-20/SO⊕	SOIC-18	OTP	20	1k	68	13	4.45	3.68
247610CB	PIC16C712-20/P⊕	DIP-18	OTP	20	1k	128	13 ~~$3.45~~	3.05	2.85
247628CB	PIC16C712-20/SO⊕	SOIC-18	OTP	20	1k	128	13 ~~$3.55~~	3.15	2.95
200467CB	PIC16C715-04/P	DIP-18	OTP	4	2k	128	13 ~~$4.49~~	4.25	3.88
247636CB	PIC16C715-20/P⊕	DIP-18	OTP	20	2k	68	13	4.25	3.68
247644CB	PIC16C715-20/SO⊕	SOIC-18	OTP	20	2k	68	13 ~~$4.85~~	4.35	4.05
247652CB	PIC16C716-20I/P⊕	DIP-18	OTP	20	2k	128	13 ~~$4.25~~	3.85	3.25
247661CB	PIC16C716-20I/SO⊕	SOIC-18	OTP	20	2k	128	13 ~~$4.25~~	3.95	3.35
247679CB	PIC16C717-I/P⊕	DIP-20	OTP	20	2k	256	16	3.75	3.20
247687CB	PIC16C717-SO⊕	SOIC-20	OTP	20	2k	256	16 ~~$3.75~~	3.25	2.95
247804CB	PIC16C745-I/SO⊕	SOIC-28	OTP	24	8k	256	22 ~~$5.15~~	4.55	3.95
247791CB	PIC16C745-I/SP⊕	DIP-28	OTP	24	8k	256	22	5.15	3.95
247821CB	PIC16C765-I/L⊕	PLCC-44	OTP	24	8k	256	33	6.39	6.02
247812CB	PIC16C765-I/P⊕	DIP-40	OTP	24	8k	256	33	5.55	4.75
247716CB	PIC16C770-I/P⊕	DIP-20	OTP	20	2k	256	16	4.15	3.15
247724CB	PIC16C770-SO⊕	SOIC-20	OTP	20	2k	256	16	3.25	2.86
247732CB	PIC16C771-I/P⊕	DIP-20	OTP	20	2k	256	16 ~~$4.45~~	3.95	3.45
247741CB	PIC16C771-I/SO⊕	SOIC-20	OTP	20	2k	256	16	3.95	3.48
247759CB	PIC16C773-I/SP⊕	DIP-28	OTP	20	4k	256	22	7.05	6.25
247767CB	PIC16C773-I/SO⊕	SOIC-28	OTP	20	4k	256	22	7.05	6.25
247783CB	PIC16C774-I/L⊕	PLCC-44	OTP	20	4k	256	33	9.65	9.59
247775CB	PIC16C774-I/P⊕	DIP-40	OTP	20	4k	256	33	7.95	7.57
247847CB	PIC16C923-04I/L⊕	PLCC-68	OTP	4	4k	176	52	6.75	6.41
312531CB	PIC16F54-I/P⊕	DIP-18	Flash	20	512	25	12	1.79	1.73
312549CB	PIC16F54-I/SO⊕	SOIC-18	Flash	20	512	25	12	1.79	1.73
312557CB	PIC16F57-I/P⊕	DIP-28	Flash	20	2k	72	20	2.39	2.29
312565CB	PIC16F57-I/SO⊕	SOIC-28	Flash	20	2k	72	20	2.29	2.21
312661CB	PIC16F72-I/SO⊕	SOIC-18	Flash	20	2k	128	13	3.15	2.90
312653CB	PIC16F72-I/SP⊕	DIP-28	Flash	20	2k	128	13	3.15	2.90
193391CB	PIC16F73-I/SP⊕	DIP-28	Flash	20	4k	192	5	5.19	4.19
246801CB	PIC16F73-I/SO⊕	SOIC-28	Flash	20	4k	192	22 ~~$5.15~~	4.85	4.55
246810CB	PIC16F73-I/SS⊕	SSOP-28	Flash	20	4k	192	22 ~~$5.25~~	4.95	4.65
246772CB	PIC16F74-I/L⊕	PLCC-44	Flash	20	4k	192	33	6.95	6.45
193404CB	PIC16F74-I/P⊕	DIP-40	Flash	20	4k	192	8	6.19	5.47
246781CB	PIC16F74-I/P⊕	TQFP-44	Flash	20	4k	192	33	6.85	6.60
246828CB	PIC16F76-I/SO⊕	SOIC-28	Flash	20	8k	368	22 ~~$6.35~~	5.85	5.65
193412CB	PIC16F76-I/SP⊕	DIP-28	Flash	20	8k	368	5	6.49	5.65
246836CB	PIC16F76-I/SS⊕	SSOP-28	Flash	20	8k	368	22 ~~$6.49~~	5.99	5.79
246799CB	PIC16F77-I/L⊕	PLCC-44	Flash	20	8k	368	33	7.55	7.35
193421CB	PIC16F77-I/P⊕	DIP-40	Flash	20	8k	368	8 ~~$7.09~~	5.25	4.79

Programming & Customizing PICmicro Microcontrollers



Second Edition

McGraw-Hill Details the features of the PICmicro® and how to use these embedded chips to access and control many different devices. Shows what happens within the PICmicro® when an instruction is executed and how it interfaces with external devices. (1190 pages, 2001)

Includes: PIC PCB

Part No.	Description	Size	Wt. (lbs.)	Price
183046CB	PICmicro Programming⊕	9.2" x 7.3"	4.0	$49.95

Time'n and Count'n



Intermediate Level PIC Applications

Square 1 Publishing This book previously appeared in PIC'n Techniques book. The more current PIC16F870 is substituted for the PIC16C63. Topics such as test equipment for timing & counting experiments to using timer 1 & 2, and capture/compare/PWM as well as programs are included in this book. (218 pages, 2002)

Part No.	Description	Size	Wt. (lbs.)	Price
210489CB	Time'n and Count'n⊕	8.5" x 11.0"	1.4	$34.95

Microchip PIC Microcontrollers DIP SOIC

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
145111CB	PIC16F84-04/P⊕	DIP-18	Flash	4	1k	68	13	$6.59	$4.39
145120CB	PIC16F84-10/P⊕	DIP-18	Flash	10	1k	68	13	7.09	6.49
193332CB	PIC16F84A-20/P⊕	DIP-18	Flash	20	1k	68	13	5.79	4.79
246844CB	PIC16F84A-20/SO⊕	SOIC-18	Flash	20	1k	68	13	5.45	5.15
246852CB	PIC16F84A-20/SS⊕	SSOP-20	Flash	20	1k	68	13	5.95	5.75
246861CB	PIC16F84A-20I/P⊕	DIP-18	Flash	20	1k	68	13	6.25	5.55
246879CB	PIC16F84A-20I/SO⊕	SOIC-18	Flash	20	1k	68	13	5.85	5.65
246887CB	PIC16F84A-20I/SS⊕	SSOP-20	Flash	20	1k	68	13	6.55	6.30
247097CB	PIC16F87-I/P⊕	DIP-18	Flash	20	4k	368	16	4.05	3.15
247100CB	PIC16F87-I/SO⊕	SOIC-18	Flash	20	4k	368	16	3.45	3.19
247118CB	PIC16F87-I/SS⊕	SSOP-20	Flash	20	4k	368	16	3.85	3.69
312733CB	PIC16F88-I/P⊕	DIP-18	Flash	20	7k	368	16	4.15	3.35
312741CB	PIC16F88-I/SO⊕	SOIC-18	Flash	20	7k	368	16	4.25	3.42
323096CB	PIC16F505-I/P⊕	DIP-14	Flash	20	1k	72	12	1.65	1.49
193439CB	PIC16F627-20/P⊕	DIP-18	Flash	20	1k	224	16	3.29	2.80
193447CB	PIC16F628-20/P⊕	DIP-18	Flash	20	2k	224	16	3.69	2.69
246730CB	PIC16F628-20/SO⊕	SOIC-18	Flash	20	2k	224	16	3.69	2.88
246748CB	PIC16F628-20/SS⊕	SSOP-20	Flash	20	2k	224	16 ~~$4.05~~	3.69	3.15
246756CB	PIC16F628-20I/P⊕	DIP-18	Flash	20	2k	224	16	4.05	3.15
246764CB	PIC16F628-20I/SO⊕	SOIC-18	Flash	20	2k	224	16 ~~$4.09~~	3.39	3.17
223749CB	PIC16F630-I/P⊕	DIP-14	Flash	20	1k	64	12	1.89	1.67
247126CB	PIC16F630-I/SL⊕	SOIC-14	Flash	20	1k	128	12	1.85	1.65
247134CB	PIC16F630-I/ST⊕	TSSOP-14	Flash	20	1k	128	12	1.95	1.85
312573CB	PIC16F636-I/P⊕	DIP-14	Flash	20	2k	128	12	2.09	1.91
312581CB	PIC16F636-I/ST⊕	TSSOP-14	Flash	20	2k	128	12	2.19	2.02
247142CB	PIC16F648A-I/P⊕	DIP-18	Flash	20	4k	256	16	3.25	2.55
247151CB	PIC16F648A-I/SO⊕	SOIC-18	Flash	20	4k	256	16	2.95	2.58
247169CB	PIC16F648A-I/SS⊕	SSOP-20	Flash	20	4k	256	16	3.05	2.80
223757CB	PIC16F676-I/P⊕	DIP-14	Flash	20	1k	64	12	2.39	1.40
247177CB	PIC16F676-I/SL⊕	SOIC-14	Flash	20	1k	64	12	2.15	1.95
247185CB	PIC16F676-I/ST⊕	TSSOP-14	Flash	20	1k	64	12	2.35	2.10
312590CB	PIC16F684-I/P⊕	DIP-14	Flash	20	2k	128	12	2.35	2.17
312602CB	PIC16F684-I/ST⊕	TSSOP-14	Flash	20	2k	128	12	2.59	2.37
312611CB	PIC16F688-I/P⊕	DIP-14	Flash	20	4k	256	12	2.79	2.59
312629CB	PIC16F688-I/ST⊕	TSSOP-14	Flash	20	4k	256	12	3.05	2.79
312637CB	PIC16F716-I/P⊕	DIP-28	Flash	20	2k	128	13	2.35	2.17
312645CB	PIC16F716-I/SO⊕	SOIC-18	Flash	20	2k	128	13	2.35	2.17
312688CB	PIC16F737-I/SO⊕	SOIC-28	Flash	20	4k	368	25	5.55	4.75
312670CB	PIC16F737-I/SP⊕	DIP-28	Flash	20	4k	368	25	5.39	4.65
312696CB	PIC16F747-I/P⊕	DIP-40	Flash	20	4k	368	36	6.45	5.45
312717CB	PIC16F767-I/SO⊕	SOIC-28	Flash	20	8k	368	25	6.69	5.62
312709CB	PIC16F767-I/SP⊕	DIP-28	Flash	20	8k	368	25	6.29	5.36
312725CB	PIC16F777-I/P⊕	DIP-40	Flash	20	8k	368	36	6.89	6.05
223765CB	PIC16F818-I/P⊕	DIP-18	Flash	20	1k	128	16 ~~$3.09~~	2.75	2.36
247054CB	PIC16F818-I/SO⊕	SOIC-18	Flash	20	1k	128	16 ~~$3.15~~	2.75	2.45
247062CB	PIC16F818-I/SS⊕	SSOP-20	Flash	20	1k	128	16 ~~$3.35~~	2.95	2.62
223773CB	PIC16F819-I/P⊕	DIP-18	Flash	20	2k	256	16	3.59	2.69
247089CB	PIC16F819-I/SO⊕	SOIC-18	Flash	20	2k	256	16 ~~$3.55~~	3.05	2.75
247071CB	PIC16F819-I/SS⊕	SSOP-20	Flash	20	2k	256	16 ~~$3.85~~	3.35	2.95
246908CB	PIC16F870-I/SO⊕	SOIC-28	Flash	20	2k	128	22	4.05	3.90
246895CB	PIC16F870-I/SP⊕	DIP-28	Flash	20	2k	128	22	4.35	3.69
246916CB	PIC16F870-I/SS⊕	SSOP-28	Flash	20	2k	128	22	4.25	4.00
246932CB	PIC16F871-I/L⊕	PLCC-44	Flash	20	2k	128	33	5.85	5.68
246924CB	PIC16F871-I/P⊕	DIP-40	Flash	20	2k	128	33	5.15	4.25
246959CB	PIC16F872-I/SO⊕	SOIC-28	Flash	20	2k	128	22	4.05	3.88
246941CB	PIC16F872-I/SP⊕	DIP-28	Flash	20	2k	128	22	4.35	3.69
246967CB	PIC16F872-I/SS⊕	SSOP-28	Flash	20	2k	128	22	4.15	4.00

Easy Microcontrol'n



Beginners Guide (Version 4)

Square 1 Publishing A revision of and successor to Easy PIC'n that covers Peripheral Interface Controller (PIC) PIC16F84, writing programs, interrupts, timing and counting. (178 pages, 2002)

Part No.	Description	Size	Weight	Price
215061CB	Easy Microcontrol'n⊕	8.5" x 11.0"	1.2 lbs.	$32.75

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Microcontrollers

RoHS Compliant Product
RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Microchip PIC Microcontrollers

SSOP PLCC

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
246983CB	PIC16F873A-I/SO	SOIC-28	Flash	20	4k	192	22	$5.75	$5.55
246975CB	PIC16F873A-I/SP	DIP-28	Flash	20	4k	192	22	6.29	5.19
247003CB	PIC16F874A-I/L	PLCC-44	Flash	20	4k	192	33	7.35	7.10
246991CB	PIC16F874A-I/P	DIP-40	Flash	20	4k	192	33	6.75	5.95
247020CB	PIC16F876A-I/SO	SOIC-28	Flash	20	8k	368	22	6.05	5.95
247011CB	PIC16F876A-I/SP	DIP-28	Flash	20	8k	368	22	6.65	5.85
193367CB	PIC16F876-20/SP	DIP-28	Flash	20	256	368	22	~~$7.89~~ 6.79	4.85
247046CB	PIC16F877A-I/L	PLCC-44	Flash	20	8k	368	33	8.15	7.65
247038CB	PIC16F877A-I/P	DIP-40	Flash	20	8k	368	33	7.25	5.05
176882CB	PIC16F877-20/P	DIP-40	Flash	20	256	368	33	9.49	8.49
247345CB	PIC16HV540-20/P	DIP-18	OTP	20	512	25	12	2.35	2.05
247353CB	PIC16HV540-20/SO	SSOP-20	OTP	20	512	25	12	2.35	2.22
247880CB	PIC17C42A-16/L	PLCC-44	OTP	16	2k	232	33	10.39	10.10
247871CB	PIC17C42A-16/P	DIP-40	OTP	16	2k	232	33	9.39	8.75
247901CB	PIC17C43-25/L	PLCC-44	OTP	25	4k	454	33	13.85	13.10
247898CB	PIC17C43-25/P	DIP-40	OTP	25	4k	454	33	11.05	10.50
247927CB	PIC17C44-33/L	PLCC-44	OTP	33	8k	454	33	15.39	14.74
247919CB	PIC17C44-33/P	DIP-40	OTP	33	8k	454	33	14.75	12.99
247935CB	PIC17C752-33/L	PLCC-68	OTP	33	8k	678	50	13.95	13.57
247943CB	PIC17C756A-33I/L	PLCC-68	OTP	33	16k	902	50	16.05	15.65
247951CB	PIC17C762-16/L	PLCC-84	OTP	33	8k	678	66	16.75	16.65
247960CB	PIC17C766-33I/L	PLCC-84	OTP	33	16k	902	66	19.25	18.73
200491CB	PIC18C242-I/SP	DIP-28	OTP	40	16k	512	23	~~$7.29~~ 6.65	6.40
200504CB	PIC18C252-I/SP	DIP-28	OTP	40	32k	1536	23	~~$7.75~~ 7.25	6.95
200512CB	PIC18C452-I/P	DIP-40	OTP	40	32k	1536	23	~~$8.85~~ 8.05	7.10
200521CB	PIC18C452/JW	DIP-40	EPROM	40	32k	1536	23	21.49	20.60
247986CB	PIC18F242-I/SO	SOIC-28	Flash	40	8k	768	23	7.39	6.61
247978CB	PIC18F242-I/SP	DIP-28	Flash	40	8k	768	23	7.39	6.61
312291CB	PIC18F248-I/SO	SOIC-28	Flash	40	16k	768	22	8.49	7.85
312282CB	PIC18F248-I/SP	DIP-28	Flash	40	16k	768	22	8.49	8.13
248006CB	PIC18F252-I/SO	SOIC-28	Flash	40	16k	1536	23	8.05	7.20
247994CB	PIC18F252-I/SP	DIP-28	Flash	40	16k	1536	23	8.05	7.20
248022CB	PIC18F258-I/SO	SOIC-28	Flash	40	16k	1536	23	9.65	8.62
248014CB	PIC18F258-I/SP	DIP-28	Flash	40	16k	1536	23	9.65	8.62
248081CB	PIC18F442-I/L	PLCC-44	Flash	40	8k	768	34	~~$9.59~~ 8.99	8.63
248073CB	PIC18F442-I/P	DIP-40	Flash	40	8k	768	34	8.15	7.35
312477CB	PIC18F448-I/L	PLCC-44	Flash	40	16k	768	33	9.65	9.46
312469CB	PIC18F448-I/P	DIP-40	Flash	40	16k	768	33	8.69	8.33
248049CB	PIC18F452-I/L	PLCC-44	Flash	40	16k	1536	34	10.29	9.26
248031CB	PIC18F452-I/P	DIP-40	Flash	40	16k	1536	34	8.85	7.99
248090CB	PIC18F1220-I/P	DIP-18	Flash	40	2k	256	16	4.35	3.89
248102CB	PIC18F1220-I/SO	SOIC-18	Flash	40	2k	256	16	4.35	3.95
248111CB	PIC18F1320-I/P	DIP-18	Flash	40	4k	256	16	4.89	4.40
248129CB	PIC18F1320-I/SO	SOIC-18	Flash	40	4k	256	16	4.89	4.40
311861CB	PIC18F2220-I/SP	DIP-28	Flash	40	4k	512	25	6.69	6.15
311917CB	PIC18F2320-I/SO	SOIC-28	Flash	40	8k	512	25	7.05	6.65
311909CB	PIC18F2320-I/SP	DIP-28	Flash	40	8k	512	25	7.05	6.64
311984CB	PIC18F2331/I/SO	SOIC-28	Flash	40	8k	512	25	7.79	7.17
311950CB	PIC18F2331-I/SP	DIP-28	Flash	40	8K	768	24	7.85	7.21
312098CB	PIC18F2431-I/SO	SOIC-28	Flash	40	16k	768	24	8.05	7.45
312071CB	PIC18F2431-I/SP	DIP-28	Flash	40	16k	768	24	8.09	7.46
312274CB	PIC18F2439-I/SO	SOIC-28	Flash	40	12k	640	21	7.09	6.79
312231CB	PIC18F2439-I/SP	DIP-28	Flash	40	12k	640	21	7.09	6.79

Microchip PIC Microcontrollers

DIP PLCC

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	ROM Words	RAM Bytes	I/O Pins	1	25
312311CB	PIC18F2525-I/SO	SOIC-28	Flash	40	48k	3986	25	$8.75	$7.70
312303CB	PIC18F2525-I/SP	DIP-28	Flash	40	48k	3986	25	9.05	8.31
312346CB	PIC18F2539-I/SO	SOIC-28	Flash	40	24k	1408	21	7.75	7.10
312338CB	PIC18F2539-I/SP	DIP-28	Flash	40	24k	1408	21	7.69	7.40
312400CB	PIC18F4220-I/P	DIP-40	Flash	40	4k	512	36	7.15	7.05
312426CB	PIC18F4320-I/P	DIP-40	Flash	40	8k	512	36	7.95	7.60
312434CB	PIC18F4331-I/P	DIP-40	Flash	40	8k	768	36	8.89	7.86
312451CB	PIC18F4431-I/P	DIP-40	Flash	40	16k	768	36	8.85	8.15
312442CB	PIC18F4439-I/P	DIP-40	Flash	40	12k	640	32	7.89	7.55
312485CB	PIC18F4539-I/P	DIP-40	Flash	40	24k	1408	32	8.55	8.18
248065CB	PIC18F458-I/L	PLCC-44	Flash	40	16k	1536	34	11.15	10.05
248057CB	PIC18F458-I/P	DIP-40	Flash	40	16k	1536	34	9.79	8.75

Atmel Microcontrollers

DIP SOIC PLCC

Part No.	Product No.	Pkg.	Description	1	25
248330CB	ATMEGA8-16PI	DIP-28	8-bit MCU, 16MHz 8kB flash	$5.25	$4.41
323133CB	ATMEGA16-16PI	DIP-40	8-bit AVR MCU, 16MHz w/ 16kB prog flash	6.25	3.91
248153CB	ATTINY11-6PC	DIP-8	8-bit MCU, 6MHz 1kB flash	1.48	1.32
248161CB	ATTINY11-6SI	SOIC-8	8-bit MCU, 6MHz 1kB flash	1.79	1.51
248170CB	ATTINY12-8PC	DIP-8	8-bit MCU, 8MHz 1kB flash	~~$1.85~~ 1.55	1.25
248188CB	ATTINY12-8SI	SOIC-8	8-bit MCU, 8MHz 1kB flash	~~$1.99~~ 1.55	1.38
248196CB	ATTINY15L-1PC	DIP-8	8-bit MCU, 1.6MHz 1kB flash	~~$2.99~~ 1.85	1.18
248209CB	ATTINY15L-1SI	SOIC-8	8-bit MCU, 1.6MHz 1kB flash	2.99	2.53
248217CB	ATTINY26-16PC	DIP-20	8-bit MCU, 16MHz 2kB flash	~~$2.49~~ 2.05	1.23
248225CB	ATTINY26-16SI	SOIC-20	8-bit MCU, 16MHz 2kB flash	~~$2.59~~ 2.35	2.09
248233CB	ATTINY28L-4PC	DIP-28	8-bit MCU, 4MHz 2kB flash	2.15	2.05
248348CB	ATMEGA8515-16JI	PLCC-44	8-bit MCU, 16MHz 8kB flash	5.19	5.05
323141CB	ATMEGA8515-16PC	DIP-40	8-bit AVR MCU, 16MHz w/ 8kB prog. flash	4.59	3.40
395621CB	ATMEGA8515L-8PC	DIP-40	8-bit AVR MCU, 8MHz 8kB prog. flash	8.85	7.95
168866CB	AT89C1051-24PC	DIP-20	8-bit MCU, 24MHz 1kB flash mem.	2.65	2.15
168874CB	AT89C2051-24PC	DIP-20	8-bit MCU, 24MHz 2kB flash mem.	2.49	2.39
265332CB	AT89C2051-12PC	DIP-20	8-bit MCU, 12MHz 2kB flash MCU mem.	~~$3.29~~ 2.99	2.60
204089CB	AT89C4051-24PC	DIP-20	8-bit MCU, 24MHz 4kB flash mem. 8-bit	1.79	1.48
323109CB	AT89C4051-24SC	SOIC-20	8-bit MCU, 24MHz 4kB flash mem	2.05	1.51
168911CB	AT89C51-24JC	PLCC-44	8-bit MCU w/ 4kB flash	3.79	3.39
168903CB	AT89C51-24PC	DIP-40	8-bit MCU, 24MHz 4kB flash memory	4.49	3.99
168920CB	AT89C52-24PC	DIP-40	8-bit MCU, 24MHz 8kB flash memory	3.39	2.79
355830CB	AT89S51-24PC	DIP-40	8-bit MCU, 4kB programmable flash	1.95	1.45
220871CB	AT89S52-24JI	PLCC-44	8-bit MCU, 8kB progammable flash	3.99	3.69
323117CB	AT89S53-24JI	PLCC-44	8-bit MCU, 24MHz 12kB flash mem	4.85	3.86
168946CB	AT89C55WD-24PC	DIP-40	8-bit MCU, 24MHz 20kB flash memory	~~$6.99~~ 6.59	5.75
323125CB	AT89S8252-24JI	PLCC-44	8-bit MCU, 24MHz 8kB flash mem	4.85	3.63
204097CB	AT89S8252-24PC	DIP-40	8-bit MCU, 24MHz 8kB flash mem. 2kB EEPROM	5.05	3.95
204100CB	AT90S1200-12PC	DIP-20	20 AVR 8-bit RISC MCU, 12MHz 1kB prog. flash	2.15	1.61
248241CB	AT90S1200A-12SC	SOIC-20	8-bit AVR MCU, 12MHz 1kB prog. flash	2.65	2.57
248250CB	AT90S2313-10PC	DIP-20	8-bit AVR MCU, 10MHz 2kB prog. flash	3.55	2.95
248268CB	AT90S2313-10SI	SOIC-20	8-bit AVR MCU, 10MHz 2kB prog. flash	2.65	2.39
204118CB	AT90S2323-10PC	DIP-8	8-bit AVR MCU, 10MHz 2kB prog. flash, 3 I/O pins	2.95	2.20
248276CB	AT90S2323-10SI	SOIC-8	8-bit AVR MCU, 10MHz 2kB prog. flash, 4 I/O pins	3.25	2.87
248284CB	AT90S2343-10PC	DIP-8	8-bit AVR MCU, 10MHz 2kB prog. flash, 3 I/O pins	~~$2.99~~ 2.19	2.16
248292CB	AT90S2343-10SI	SOIC-8	8-bit AVR MCU, 10MHz 2kB prog. flash, 4 I/O pins	~~$3.49~~ 3.15	2.87

Serial Communications

Serial Communications PIC Applications



Square 1 Publishing Topics such as asynchronous serial communications, RS242 standard, ASCII character code, bit-bang asynchronous communications and synchronous serial communications to name a few are covered in this book as well as tool box modules and applications.(566 pages, 2002)

• Size: 8.6" x 11.0" • Weight: 3.5 lbs.

Part No.	Description	Price
210497CB	Serial Communications	$49.95

Microcontrol'n Apps

PIC Microcontroller Applications (Version 2)



Square 1 Publishing This book is a revision of and the successor to PIC'n Up The Pace. Materials covered in the book include talking to a PIC microcontroller with a PC running a terminal, simple data logger and digital voltmeter experiment, PIC16F87x and 10-bit A/D conversion. (437 pgs, 2002)

• Size: 8.5" x 11.0" • Weight: 1.7 lbs.

Part No.	Description	Price
215052CB	Microcontrol'n Apps	$44.95

PIC Microcontroller Project Book

Comprehensive Beginner's Guide



McGraw-Hill Hands-on directions for putting Microchip's RISC-based chips with up to 8k of memory to work. Starting with simple projects and experiments, this book leads you gradually into sophisticated programming techniques. Provides you guidance on getting the equipment you need and programming your chip. (203 pages, 2000) • Size: 7.3" x 9.2" • Wt.: 1.0 lbs.

Part No.	Description	Price
174650CB	PIC Beginner's Guide	$29.95

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Microcontrollers

SSOP

Part No.	Product No.	Pkg.	Description	1	10	100
248663CB	MSP430F1121AIPW⊕	SSOP-20	MCU, flash 8MHz 8k ROM, 15 I/O	$3.55	$3.30	$3.00
248680CB	MSP430F123IPW⊕	SSOP-28	MCU, flash 8MHz 8k ROM, 15 I/O	4.65	4.23	3.85

16-Bit Digital Signal Controllers

The dsPIC® Digital Signal Controller (DSC) from Microchip is a powerful 16-bit (data) modified Harvard RISC machine that combines the control advantages of a high-performance 16-bit microcontroller (MCU) with the high computation speed of a fully implemented digital signal processor (DSP) to produce a tightly coupled single-chip single-instruction stream solution for embedded systems design. All integrate Flash program memory and most have EEPROM data storage.

DIP

SOIC

TQFP

Part No.	Product No.	Pkg.	Memory	Speed (MHz)	MIPS	Program Mem. Bytes	SRAM Bytes	1	25
321787CB	DSPIC30F2010-20I/SO⊕	SOIC-28	Flash	40	20	12k	512	$9.25	$7.89
321779CB	DSPIC30F2010-20I/SP⊕	DIP-28	Flash	40	20	12k	512	9.19	7.90
321808CB	DSPIC30F2010-30I/SO⊕	SOIC-28	Flash	40	30	12k	512	10.69	9.09
321795CB	DSPIC30F2010-30I/SP⊕	DIP-28	Flash	40	30	12k	512	10.79	9.09
321816CB	DSPIC30F6010-20I/PF⊕	TQFP-80	Flash	40	20	144k	8192	27.65	23.70
321824CB	DSPIC30F6010-30I/PF⊕	TQFP-80	Flash	40	30	144k	8192	28.99	26.15
321832CB	DSPIC30F6011-20I/PF⊕	TQFP-64	Flash	40	20	132k	6144	23.29	19.60
321841CB	DSPIC30F6011-30I/PF⊕	TQFP-64	Flash	40	30	132k	6144	26.79	21.65
321859CB	DSPIC30F6012-20I/PF⊕	TQFP-64	Flash	40	20	144k	8192	25.79	21.90
321867CB	DSPIC30F6012-30I/PF⊕	TQFP-64	Flash	40	30	144k	8192	29.89	24.15
323053CB	DSPIC30F6013-20I/PF⊕	TQFP-80	Flash	40	20	132k	6144	24.75	20.85
323061CB	DSPIC30F6013-30I/PF⊕	TQFP-80	Flash	40	30	132k	6144	28.45	24.00
323070CB	DSPIC30F6014-20I/PF⊕	TQFP-80	Flash	40	20	144k	8192	27.39	23.10
323088CB	DSPIC30F6014-30I/PF⊕	TQFP-80	Flash	40	30	144k	8192	31.35	25.49

PIC BASIC Programming and Projects



Newnes Publications The BASIC language, is introduced from square one, with simple code used to illustrate each of the most commonly used instructions. PIC BASIC is the simplest and quickest way to get up and running – designing and building circuits using a microcontroller. (210 pages, 2001)

Part No.	Description	Size	Weight	1	10
200168CB	PIC BASIC Programming	6.1" x 9.2	0.8 lbs.	$38.95	$37.00

Zilog Flash MCUs

DIP PLCC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
280268CB	Z8F1601PM020SC⊕	DIP-40	16kB ROM, 2kB RAM, 31 I/O, A/D	$10.95 $9.85	$9.75	$9.65
280276CB	Z8F1601VN020SC⊕	PLCC-44	16kB ROM, 2kB RAM, 31 I/O, A/D	9.95	9.80	9.65
280284CB	Z8F1602VS020SC⊕	PLCC-68	16kB ROM, 2kB RAM, 46 I/O, A/D	$11.45 9.15	8.85	8.65
280292CB	Z8F2401PM020SC⊕	DIP-40	24kB ROM, 2kB RAM, 31 I/O, A/D	$12.65 11.45	11.15	10.85
280305CB	Z8F2401VN020SC⊕	PLCC-44	24kB ROM, 2kB RAM, 31 I/O, A/D	$12.65 11.45	11.15	10.85
280313CB	Z8F2402VS020SC⊕	PLCC-68	24kB ROM, 2kB RAM, 46 I/O, A/D	$13.15 10.25	10.05	9.85
280321CB	Z8F3201PM020SC⊕	DIP-40	32kB ROM, 2kB RAM, 31 I/O, A/D	$13.45 11.35	10.55	10.05
280330CB	Z8F3201VN020SC⊕	PLCC-44	32kB ROM, 2kB RAM, 31 I/O, A/D	$13.45 11.35	10.55	10.05
280348CB	Z8F3202VS020SC⊕	PLCC-68	32kB ROM, 2kB RAM, 46 I/O, A/D	$13.95 11.65	10.95	10.45
280356CB	Z8F4801PM020SC⊕	DIP-40	48kB ROM, 4kB RAM, 31 I/O, A/D	$15.19 12.55	11.85	11.35
280364CB	Z8F4801VN020SC⊕	PLCC-44	48kB ROM, 4kB RAM, 31 I/O, A/D	$15.15 12.65	11.85	11.35
280372CB	Z8F4802VS020SC⊕	PLCC-68	48kB ROM, 4kB RAM, 46 I/O, A/D	$15.65 13.15	12.35	11.75
280381CB	Z8F6401PM020SC⊕	DIP-40	64kB ROM, 4kB RAM, 46 I/O, A/D	$16.85 14.25	13.25	12.55
280399CB	Z8F6401VN020SC⊕	PLCC-44	64kB ROM, 4kB RAM, 46 I/O, A/D	$16.85 14.25	13.25	12.55
280401CB	Z8F6402VS020SC⊕	PLCC-68	64kB ROM, 4kB RAM, 46 I/O, A/D	$17.35 14.65	13.65	12.95

Z8 OTP MCUs

DIP PLCC SOIC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
281228CB	Z86E3016PSC⊕	DIP-28	RAM/ROM Protect, 24 I/O lines	$6.59 $5.05	$4.57	$4.15
281236CB	Z86E3016VSC⊕	PLCC-28	RAM/ROM Protect, 24 I/O lines	4.59	4.35	4.15
281252CB	Z86E0812SSC1866⊕	SOIC-18	ROM protect, 14 I/O lines	$3.99 3.59	2.75	2.23
281279CB	Z86E0812PSC1866⊕	DIP-18	ROM protect, 14 I/O lines	$3.99 2.75	2.48	2.25
281287CB	Z86E0812PEC⊕	DIP-18	ROM protect, 14 I/O lines	$4.35 2.95	2.60	2.45
281295CB	Z86E0208SSC1925⊕	SOIC-18	ROM protect, 14 I/O lines, 1 cntr/timer	$1.89 1.75	1.59	1.45

Zilog Z80 MPUs

DIP PLCC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
35561CB	Z80♣	DIP-40	2.5MHz CPU (MK3880N/780C)	$1.39	$1.19	$1.09
35596CB	Z80A♣	DIP-40	4MHz CPU (MK3880N-4/780C-1)	1.99	1.79	1.59
35609CB	Z80A-CTC♣	DIP-28	4MHz counter timer circuit (MK3882-4)	1.99	1.79	1.59
35625CB	Z80A-DART♣	DIP-40	4MHz dual asynchronous receiver/trans.	3.49	3.19	2.89
35641CB	Z80A-PIO♣	DIP-40	4MHz parallel I/O interf. contr. (MK3881-4)	1.99	1.79	1.61
35668CB	Z80A-SIO/0♣	DIP-40	4MHz serial I/O (TxCB & RxCB bond.) MK3884-4	2.19	1.79	1.59
35705CB	Z80B	DIP-40	6MHz CPU (MK3880N-6)	2.59	2.39	2.09
280410CB	Z8018006PSC⊕	DIP-64	Z180 MPU, MMU, DMA. UART, INTC	$9.29 7.65	6.92	6.29
280428CB	Z8018006VSC⊕	PLCC-68	Z180 MPU, MMU, DMA. UART, INTC	$9.29 7.65	6.92	6.29
280436CB	Z8018008PSC⊕	DIP-64	Z180 MPU, MMU, DMA. UART, INTC	$9.69 7.65	6.92	6.29
280444CB	Z8018008VSC⊕	PLCC-68	Z180 MPU, MMU, DMA. UART, INTC	$9.95 7.55	6.87	6.25
280452CB	Z8018010PSC⊕	DIP-64	Z180 MPU, MMU, DMA. UART, INTC	8.75	7.98	7.25
280461CB	Z8018010VSC⊕	PLCC-68	Z180 MPU, MMU, DMA. UART, INTC	$11.29 8.89	8.08	7.35
280479CB	Z8S18020PSC⊕	DIP-64	Z180 MPU, MMU, DMA. UART, INTC	12.99	11.82	10.75
280487CB	Z8S18020VSC⊕	PLCC-68	Z180 MPU, MMU, DMA. UART, INTC	$12.95 9.75	8.85	8.05
280495CB	Z8S18033VSC⊕	PLCC-68	Z180 MPU, MMU, DMA. UART, INTC	$9.55 8.79	7.90	6.90
35781CB	Z84C00-4⊕	DIP-40	4MHz CPU (Z84C0004PEC) CMOS	4.15	3.49	2.55
280508CB	Z84C0006VEC⊕	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	3.09	2.77	2.02
280516CB	Z84C0008PEC⊕	DIP-40	Z80 CPU with 3 mode int., 16 regs.	3.05	2.77	2.07
280524CB	Z84C0008VEC⊕	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	$3.29 3.05	2.77	2.08
280532CB	Z84C0010PEC⊕	DIP-40	Z80 CPU with 3 mode int., 16 regs.	3.05	2.77	2.07
280541CB	Z84C0010VEC⊕	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	$4.89 3.79	3.46	3.15
280559CB	Z84C0020VEC⊕	PLCC-44	Z80 CPU with 3 mode int., 16 regs.	$13.29 12.35	11.22	10.20
280567CB	Z84C4008PEC⊕	DIP-40	Dual data ch. communication interface	6.59	6.07	5.20
280575CB	Z84C9010VSC⊕	PLCC-84	Serial/parallel I/O counter/timer	$16.75 15.29	13.92	12.65
35799CB	Z8530♣	DIP-40	2MHz serial communications controller	2.49	2.12	1.59
281308CB	Z85C3016PSC⊕	DIP-40	Serial communications controller	$13.79 10.15	9.20	8.37
61786CB	Z85C3008PSC⊕	DIP-40	Serial communications controller	$5.69 4.99	4.57	3.92
281316CB	Z85C3008VSC⊕	PLCC-44	Serial communications controller	$8.19 7.65	5.67	5.25
281324CB	Z8523016VSC⊕	PLCC-44	Enhanced serial comm. controller	15.75	14.45	13.96

♣ Pull = Extra Savings

DALLAS SEMICONDUCTOR 87C/89C MCU Series

DIP PLCC

Part No.	Cross Ref.	Pkg.	Description	1	10
345341CB	DS87C530-QNL⊕	PLCC-52	EPROM/ROM MCU w/ real-time clock	$38.79	$36.50
345359CB	DS87C520-WCL⊕	DIP-40	EPROM/ROM MCU, high-speed	50.99	46.65
345367CB	DS87C520-MCL⊕	DIP-44	EPROM/ROM MCU, high-speed	29.29	27.85

6500 Series/Commodore/WDC

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43191CB	6502♣	DIP-40	MPU with internal clock 1MHz	$7.95	$6.95	$6.25
43166CB	65C02♣	DIP-40	MPU with internal clock CMOS	6.95	5.25	3.65
43254CB	6522♣	DIP-40	VIA (versatile interface adapter) 1MHz	3.95	2.69	2.45
43297CB	6532	DIP-40	128 x 8 RAM, I/O timer array	7.95	6.99	6.49
43318CB	6551	DIP-28	ACIA (asynch. comm. interface adapter)	3.95	3.49	3.15

♣ Pull = Extra Savings

6800/68000 Series

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43481CB	6800♣	DIP-40	8-bit MCU	$6.95	$5.25	$3.65
43502CB	6802	DIP-40	8-bit MPU with clock and RAM (1MHz)	8.49	7.65	6.89
43529CB	6803♣	DIP-40	8-bit MCU with 128k RAM	7.79	6.99	6.29
43537CB	MC6808⊕	DIP-40	8-bit MPU with clock and 128k RAM	8.95	8.06	7.25
43545CB	6809E♣	DIP-40	MPU with external clock (1MHz)	3.95	3.59	3.25
320590CB	68B09E⊕	DIP-40	MPU with external clock (2MHz)	3.95	3.59	3.25
43561CB	6810	DIP-24	128x8 static RAM (1MHz)	1.95	1.69	1.49
43596CB	6821♣	DIP-40	Peripheral interface adapter (1MHz)	3.95	3.59	3.25
43414CB	68B21♣	DIP-40	Peripheral interface adapter (2MHz)	4.95	4.49	4.05
43617CB	6840	DIP-28	Programmable timer (1MHz)	2.49	2.25	1.99
43633CB	6850♣	DIP-24	Asynch. comm. int. adapter (ACIA)	2.39	2.09	1.89
25304CB	MC68000L8♣	DIP-64	MPU 16-bit (8MHz)	8.95	7.95	7.25
25291CB	MC68000L10♣	DIP-64	MPU 16-bit (10MHz)	$14.95 13.45	11.49	8.59

♣ Pull = Extra Savings

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Microprocessors

RoHS Compliant Product
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6800/68000 Series

DIP PLCC SOIC TSSOP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
25355CB	MC68701	DIP-40	8-bit EPROM MPU w/ 128B RAM & I/O	$15.95	$13.95	$12.55
25363CB	MC68705P3S	DIP-28	8-bit EPROM MPU w/ 112B RAM & I/O	24.95	22.95	20.65
25371CB	MC68705U3S✥	DIP-40	8-bit EPROM MPU w/ 112B RAM & I/O	26.95	22.94	20.65
248591CB	MC68HC11E0CFN2⊕	PLCC-52	MCU w/ 512 EPROM & 38 I/O, A/D	~~$10.95~~ 9.55	8.60	7.20
248604CB	MC68HC11E1CFN3⊕	PLCC-52	MCU w/ 512 EPROM & 38 I/O, A/D	8.85	7.25	6.55
191863CB	MC68HC11E1CP2	DIP-48	MCU w/ A/D converter (512B RAM)	15.95	14.35	12.69
248583CB	MC68HC11F1CFN3⊕	PLCC-68	MCU w/ 512 EPROM & 30 I/O, A/D	9.49	7.20	6.75
248647CB	MC68HC705C8ACFN⊕	PLCC-44	MCU, OTP 8k ROM, 31 I/O	7.19	5.30	5.00
108919CB	MC68HC705C8P⊕	DIP-40	MCU, OTP 8k ROM, 24 I/O lines	7.29	6.29	5.92
132484CB	MC68HC705C8S✥⊕	DIP-40	MCU, 8k bytes, EPROM	38.95	34.95	31.55
248639CB	MC68HC705J1ACDW⊕	SOIC-20	MCU, OTP 1.2k ROM, 14 I/O	~~$3.45~~ 2.05	1.85	1.70
132530CB	MC68HC705J1ACP⊕	DIP-20	MCU, OTP 1.0k ROM, 14 I/O	2.09	1.89	1.79
108927CB	MC68HC705K1P⊕	DIP-16	MCU, OTP 504B ROM, 10 I/O timer	5.55	5.35	4.95
248612CB	MC68HC705P6ACP⊕	DIP-28	MCU, OTP 4.5k ROM, 21 I/O A/D	3.45	2.55	2.39
248621CB	MC68HC705P6ADW⊕	SOIC-28	MCU, OTP 4.5k ROM, 21 I/O A/D	3.45	2.55	2.39
248655CB	MC68HC705C9ACFN⊕	PLCC-44	MCU, OTP 16k ROM, 31 I/O	11.75	10.55	9.50
248567CB	MC68HC711D3CFN2⊕	PLCC-44	MCU, OTP 4k ROM, 26 I/O	~~$10.75~~ 9.45	9.15	8.70
285675CB	MC68HC705BDT⊕	DIP-40	MCU, OTP 11k ROM, 26 I/O A/D	4.99	4.49	3.99
248575CB	MC68HC711E9CFN2⊕	PLCC-52	MCU, OTP 12k ROM, 38 I/O A/D	13.45	10.50	9.87
248356CB	MC68HC908GP32CP⊕	DIP-40	MCU, flash 32k ROM, 33 I/O	~~$12.69~~ 9.99	9.65	9.25
323213CB	MC68HC908GR8CP⊕	DIP-28	MCU, flash 8-bit, 8k ROM, 21 I/O A/D	6.25	5.28	5.01
248410CB	MC68HC908JB8ADW⊕	SOIC-28	MCU, flash 8k ROM, 21 I/O USB	~~$5.45~~ 5.15	4.70	4.50
248401CB	MC68HC908JB8JP⊕	DIP-20	MCU, flash 8k ROM, 37 I/O USB	~~$5.25~~ 4.95	4.55	4.35
323205CB	MC68HC908JK1CDW⊕	SOIC-20	MCU, flash 1.5k ROM, 15 I/O A/D (HCMOS)	2.35	2.01	1.91
323192CB	MC68HC908JK1CP⊕	DIP-20	MCU, flash 1.5k ROM, 15 I/O A/D (HCMOS)	2.79	2.01	1.91
248372CB	MC68HC908JK3CDW⊕	SOIC-20	MCU, flash 4k ROM, 15 I/O	~~$3.75~~ 3.35	3.15	3.09
248364CB	MC68HC908JK3CP⊕	DIP-20	MCU, flash 4k ROM, 15 I/O	~~$3.75~~ 3.35	3.15	3.09
248399CB	MC68HC908JL3CDW⊕	SOIC-28	MCU, flash 4k ROM, 23 I/O, A/D	~~$5.45~~ 4.95	4.15	3.60
248381CB	MC68HC908JL3CP⊕	DIP-28	MCU, flash 4k ROM, 23 I/O, A/D	4.35	4.15	3.95
248436CB	MC68HC908KX8CDW⊕	SOIC-16	MCU, flash 8k ROM, 13 I/O, A/D	~~$6.29~~ 5.95	5.40	5.15
248428CB	MC68HC908KX8CP⊕	DIP-16	MCU, flash 8k ROM, 13 I/O, A/D	~~$5.65~~ 5.35	4.85	4.65
248495CB	MC68HC908QT1CDW⊕	SOIC-8	MCU, flash 1.5k ROM, 6 I/O	~~$1.89~~ 1.49	1.40	1.30
248487CB	MC68HC908QT1CP⊕	DIP-8	MCU, flash 1.5k ROM, 6 I/O	1.39	1.31	1.28
248479CB	MC68HC908QT2CDW⊕	SOIC-8	MCU, flash 1.5k ROM, 6 I/O, A/D	2.05	1.85	1.68
248461CB	MC68HC908QT2CP⊕	DIP-8	MCU, flash 1.5k ROM, 6 I/O, A/D	~~$2.85~~ 1.85	1.70	1.55
248452CB	MC68HC908QT4CDW⊕	SOIC-8	MCU, flash 4k ROM, 6 I/O, A/D	~~$2.69~~ 2.15	1.95	1.85
248444CB	MC68HC908QT4CP⊕	DIP-8	MCU, flash 4k ROM, 6 I/O, A/D	~~$1.99~~ 1.85	1.70	1.65
248559CB	MC68HC908QY1CDT⊕	TSSOP-16	MCU, flash 1.5k ROM, 14 I/O	~~$2.49~~ 2.05	1.80	1.65
248541CB	MC68HC908QY1CP⊕	DIP-16	MCU, flash 1.5k ROM, 14 I/O	1.75	1.59	1.45
248532CB	MC68HC908QY2CDT⊕	TSSOP-16	MCU, flash 1.5k ROM, 13 I/O, A/D	~~$2.85~~ 2.15	1.95	1.64
248524CB	MC68HC908QY2CP⊕	DIP-16	MCU, flash 1.5k ROM, 13 I/O, A/D	~~$2.55~~ 2.15	1.95	1.75
248516CB	MC68HC908QY4CDW⊕	TSSOP-16	MCU, flash 4k ROM, 13 I/O A/D	~~$2.89~~ 2.65	2.49	2.44
248508CB	MC68HC908QY4CP⊕	DIP-16	MCU, flash 4k ROM, 13 I/O A/D	~~$2.49~~ 2.35	2.15	2.05
323221CB	MC68HC912B32CFU8⊕	QFP-80	MCU, flash 16-bit 1.5k ROM 15 I/O A/D	20.55	19.50	18.52

✥ Refurbished = Backed by Jameco

8000 Series

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
51844CB	8031♣	DIP-40	CPU with 128 x 8 RAM and I/O	$3.29	$2.99	$2.69
51676CB	80C31♣⊕	DIP-40	CPU with 128 x 8 RAM and I/O CMOS	2.99	2.42	1.45
102197CB	8032	DIP-40	8-bit MCU 256 x 8 RAM	3.95	3.59	3.25
108804CB	80C32-1♣⊕	DIP-40	8-bit MCU 256 x 8 RAM CMOS	4.49	3.85	2.89
51861CB	8035♣	DIP-40	MPU 8-bit	3.95	3.59	3.25
51959CB	8039♣	DIP-40	CPU single chip 8-bit (128 bytes RAM)	4.49	3.99	3.59
51692CB	80C39♣	DIP-40	CPU sgle chip 8-bit (128 bytes RAM) CMOS	3.59	3.23	2.91
51983CB	8049*♣	DIP-40	CPU sgle chip 8-bit (can be used as 8039*)	1.95	1.75	1.59
51991CB	8051AP** ♣	DIP-40	MCU w/128x8 RAM	5.49	4.99	4.49
52003CB	8052AH**	DIP-40	CPU 8-bit 256 bytes RAM, tmr/countr & I/O	7.99	7.19	6.49

♣ Pull = Extra Savings

* 8049 (ROM not available for use) Tie pin 7 high to bypass the internal ROM to convert 8049 to 8039

** Tie pin 31 low to bypass the internal ROM

8000 Series (Continued)

DIP PLCC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
125647CB	80C52BASIC⊕	DIP-40	CPU 8-bit CMOS w/ basic interpreter	$32.09	$28.89	$25.99
52046CB	8080A♣	DIP-40	CPU 8-bit N-channel (1MHz)	4.49	3.95	3.59
52062CB	8085AH♣	DIP-40	CPU 8-bit HMOS (3MHz)	4.99	4.49	3.99
52071CB	8085AH-2♣	DIP-40	CPU 8-bit HMOS (5MHz)	5.49	4.99	4.49
51705CB	80C85A-2⊕	DIP-40	CPU 8-bit CMOS (5MHz)	6.95	6.26	5.56
52100CB	8086-2♣	DIP-40	CPU 16-bit (8MHz)	1.95	1.75	1.59
52142CB	8088♣	DIP-40	CPU 16-bit (8-bit data bus) 5MHz	2.49	2.25	1.99
52169CB	8088-2♣	DIP-40	CPU 16-bit (8-bit data bus) 8MHz	5.95	5.39	4.85
34358CB	UPD70108-8♣	DIP-40	V20 chip (replaces the 8088-2) 8MHz	10.99	9.99	8.99
52290CB	8155⊕	DIP-40	HMOS RAM I/O port/timer (3MHz)	4.49	4.05	2.99
52302CB	8155-2♣	DIP-40	HMOS RAM I/O port/timer (5MHz)	5.95	5.39	4.85
52193CB	81C55♣⊕	DIP-40	256x8 RAM I/O port/tmr CMOS 3MHz	4.49	3.59	3.19
52468CB	8212♣	DIP-24	8-bit input/output (74S412)	6.49	5.99	5.49
52484CB	8216	DIP-16	Bi-directional bus driver (non-invert.)	3.95	3.39	2.55
52492CB	8224	DIP-16	Clock generator/driver	2.95	2.49	2.25
52513CB	8228	DIP-28	System contr./bus driver (74S428)	3.69	3.19	2.36
52581CB	8243♣⊕	DIP-24	I/O expander for 48 series	5.49	4.94	4.45
52610CB	8250A♣	DIP-40	Asynchronous comm. element	4.95	4.21	3.15
52644CB	8251✥	DIP-28	Prog. comm. I/O (USART)	2.99	2.69	2.39
52652CB	8251A♣	DIP-28	Prog. comm. interface (USART)	3.99	3.69	3.39
52370CB	82C51A♣⊕	DIP-28	Prog. comm. interface (USART) CMOS	4.49	3.99	3.49
52679CB	8253♣	DIP-24	Prog. interval timer	3.19	2.89	2.59
52687CB	8253-5✥	DIP-24	Prog. interval timer (2MHz)	4.99	4.49	3.99
52388CB	82C53-5⊕	DIP-24	Prog. interval timer CMOS 2MHz	4.95	4.25	3.19
52708CB	8254♣	DIP-24	Prog. interval timer (UPD71054)	4.49	3.99	3.59
52716CB	8254-2♣	DIP-24	Prog. interval timer (10MHz)	7.35	6.65	5.95
52396CB	82C54⊕	DIP-24	Prog. interval timer CMOS	3.95	3.55	3.19
52409CB	82C54-2⊕	DIP-24	Prog. interval timer CMOS 10MHz	4.49	4.05	3.59
52724CB	8255♣	DIP-40	Prog. periph. I/O (PPI) 71055 (2MHz)	4.49	3.99	3.49
52732CB	8255A-5♣	DIP-40	Prog. peripheral I/O (PPI) 5MHz	4.89	4.39	2.89
291805CB	8255AC-5✥⊕	DIP-40	MPU peripheral I/O (PPI)	4.89	4.39	2.89
52417CB	82C55A⊕	DIP-40	Prog. peripheral I/O (PPI) CMOS	4.99	4.49	3.99
52425CB	82C55A-5⊕	DIP-40	Prog. periph. I/O (PPI) CMOS (5MHz)	4.49	3.99	3.49
52759CB	8256♣	DIP-40	Multif. universal asynch. rec./trans.	19.99	17.99	16.19
52775CB	8259♣	DIP-28	Prog. interrupt controller (UPD71059)	1.75	1.55	1.45
52783CB	8259-5♣	DIP-28	Prog. interrupt controller (8259A-2)	2.49	2.19	1.99
52821CB	8275	DIP-40	Prog. CRT controller	9.95	9.49	8.25
52839CB	8279♣	DIP-40	Prog. keyboard/display interface	12.99	11.99	10.99
52847CB	8279-5♣	DIP-40	Prog. keybrd/display interface (5MHz)	12.95	11.69	10.49
52855CB	8282♣⊕	DIP-20	Octal latch (UPD71082)	~~$5.95~~ 5.35	4.40	3.10
52871CB	8284A♣	DIP-18	Clock gen. and driver (UPD71084)	4.49	3.99	3.59
52898CB	8286	DIP-20	Octal bus transceiver (UPD71086)	3.95	3.59	3.25
52901CB	8287⊕	DIP-20	Octal bus transceiver (inverted)	10.99	9.99	8.99
52919CB	8288	DIP-20	Bus controller (UPD71088) 82C88-2	1.95	1.65	1.25
53006CB	8741	DIP-40	8-bit univ. periph. interface (EPROM)	7.99	7.19	6.49
53014CB	8742	DIP-40	8-bit univ. peripheral interface	9.95	8.49	6.35
53022CB	8748✥	DIP-40	CPU 8-bit, EPROM, RAM & I/O (21V)	13.95	12.56	11.11
53031CB	8748H✥	DIP-40	CPU 8-bit, EPROM, RAM & I/O HMOS (21V)	15.95	14.49	12.99
53057CB	8749H✥	DIP-40	MPU 8-bit (EPROM version 8049)	22.99	19.49	15.95
53073CB	8751⊕	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (3.5-8MHz)	19.99	16.99	15.29
53081CB	8751H✥	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (1.2-12MHz)	24.95	20.25	18.23
52978CB	87C51✥⊕	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (3.5-12MHz)	21.99	19.79	17.49
196120CB	P87C51⊕	DIP-40	CPU w/ 4k EPROM & 128x8 RAM (3.5-12MHz) OTP	~~$8.99~~ 5.09	4.62	4.20
53090CB	8755	DIP-40	16k EPROM with I/O	8.95	8.09	7.29
248701CB	T89C51RB2⊕	PLCC-44	MCU, flash 16k ROM, 32 I/O	6.59	6.11	5.81
248719CB	T89C51RC2⊕	PLCC-44	MCU, flash 32k ROM, 32 I/O	8.45	7.25	6.55
248727CB	T89C51RD2⊕	PLCC-44	MCU, flash 64k ROM, 32 I/O	10.89	9.90	9.00

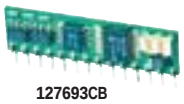
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RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

BASIC Stamps



127693CB



130892CB

BASIC Stamps are small computers using a variation of BASIC called PBASIC. They are ideal for controller apps including robotics, radio-controlled interfaces of a digital camera, industrial pallet stackers, health monitoring systems, and much more. The BS1-IC has 8 I/O lines, while the BS2-IC has 16 I/O lines. Each can be connected directly to buttons, LEDs, registers, and many other TTL level devices. Both allow you to store data in the EEPROM before downloading a BASIC program.

See page 232 for Serial LCD Modules

Includes: Embedded BASIC plus instruction sets; basic interpreter, EEPROM (non-volatile), a resonator and 5V regulator

Specifications:	127693CB	130892CB
EEPROM	256 bytes	2048 bytes
RAM	16 bytes	32 bytes
Cur. Draw @ 5V	2mA run/20µA	8mA run/100µA
Microcontroller	PIC16C56	PIC16C57
Program speed	2000/sec.	4000/sec.
# of I/O Pins	8	16 + 2 serial
Package	14-pin SIP	24-pin DIP
Volts Required	5-15VDC	5-15VDC
Size	1.4"L x 0.4"W	1.2"L x 0.6"W

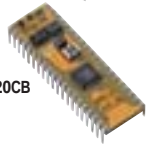
Part No.	Parallax No.	Lower $$$	1	10
127693CB	BS1-IC⊕	~~$28.95~~	$25.95	$23.99
130892CB	BS2-IC⊕		48.95	43.95

BASIC Stamp 2P Modules

In addition to the BS2-SX (pg 9) features, these modules include commands for HD44780 compatible LCDs, Dallas Semiconductor 1-wire and Philips I2C parts.



184911CB



184920CB

- Voltage requirements: 5-12VDC
- Program execution speed: 12,000 instructions/sec.
- RAM size: 38 bytes (12 I/O, 26 variable)
- Scratch pad RAM: 128 bytes
- EEPROM program size: 2k x 8, 4,000 instructions
- Current draw @ 5V: 40mA run; 400µA sleep

184911CB: Number of I/O pins: 16 + 2 serial

184920CB: Number of I/O pins: 32 + 2 serial

Part No.	Parallax No.	1	10
184911CB	BS2P24-IC 24-pin⊕	$78.95	$70.95
184920CB	BS2P40-IC 40-pin⊕	87.95	79.95

50MHz BASIC Stamp 2SX Module

High-speed version of BS2-IC.



- Volts required: 5-12 VDC
- RAM size: 32 bytes
- Scratch pad RAM: 64 bytes
- Microcontroller: Ubicom SX28AC
- Number of I/O pins: 16 + 2 serial
- EEPROM program size: 2k x 8, 4,000 instructions
- Program execution speed: 10,000 instructions/sec.
- Current draw @ 5V: 60mA run; 200µA sleep

Part No.	Parallax No.	1	10
159775CB	BS2SX-IC 24-pin⊕	$58.95	$52.95

BS2E-IC Basic Stamp Module

The BS2E-IC runs at the same speed as BASIC Stamp 2, but has the RAM and EEPROM size benefits of the BS2-SX, with much lower speed and power consumption. Ideal for those who use the BS2 and would like more variable or program space. Programmed in Windows®.



- EEPROM (program) size: 2k x 8, ~ 4,000 instructions
- RAM: 32 bytes (6 I/O, 26 variable)
- Current draw @ 5V: 20mA run/100uA sleep
- Microcontroller: Scenix SX28AC
- Program speed: 4,000 instructions / sec
- Number of I/O pins: 16 + 2 dedicated serial
- Voltage requirement: 5-12VDC • Package: DIP-24

Part No.	Parallax No.	1	10
283047CB	BS2E-IC⊕	$53.95	$51.90

BASIC Stamp 2 OEM Kit

A through-hole version of the popular BASIC Stamp modules.



- 20-pin SIP, standard 0.1" spacing
- PC board includes labeled component locations with visible traces between parts
- PBASIC interpreter and EEPROM are socketed to allow for replacement
- Programmed using PBASIC DOS or Windows®

Includes: PBASIC interpreter, EEPROM, resonator, DB-9, resistors and transistors

Part No.	Parallax No.	1	10
183071CB	27291⊕	$44.79	$42.53

For detailed specs, visit www.Jameco.com/Rabbit

Wi-Fi Application Kit



Jumpstart your wireless application design with a complete application kit. Integrating Wi-Fi (IEEE 802.11b) with a RabbitCore™ Development Kit, embedded system integrators can now enable a wireless embedded system.

Wireless connectivity eliminates ethernet cables allowing greater flexibility and mobility of wireless embedded networks. This kit provides all the tools necessary to sample and design communications from a Rabbit-based device to a Wi-Fi-enabled device (e.g. PC Laptop, PDA, etc.). The RCM can also send/receive email from any PC or device with a compatible Wi-Fi card. Includes Dynamic C® software with royalty-free TCP/IP stack.

Includes a Linksys Wi-Fi card, RCM3100 microprocessor core module, prototyping board, Dynamic C® development system and complete documentation on CD-ROM, serial cable for programming and debugging, 10-pin DB15 Conversion Cable, manuals and AC adapter (U.S./Canada only).

Applications

- Wireless automation and control
- Instrumentation monitoring
- Convenient data and event logging

Part No.	Description	Weight	Price
321681CB	Wi-Fi Application Kit ⊕	2.0 lbs.	$568.95

Multi-Port Serial to Ethernet Kit



Enable your customers to monitor your sensors from their desktop. The Rabbit Serial-to-Ethernet Kit provides the hardware and software necessary for sensors and other serial devices to communicate via a LAN or other network. This kit allows you to simultaneously connect several serial devices to a network. Implementation of the optional RabbitWeb software module makes it simple to web-enable your application to allow monitoring and control of serial devices via the internet or intranet. Other optional software modules help to secure your data through SSL and encryption.

Sample application programs guide you through serial to Ethernet conversion. This kit also includes a prototyping board, Dynamic C® development environment including a royalty-free TCP/IP stack with source code, sample applications, temperature sensor demoboard, required cables, and assorted accessories. The sample applications highlight functionality such as RS-232 to Ethernet conversion, RS-485 to ethernet conversion, ethernet to serial conversion, data gathering from serial devices such as the included temperature sensor demoboard and a digital voltmeter (not included), and web-enabling applications.

Features

- Serial to ethernet applications for: digital voltmeter and temperature sensor reader and binary and hexadecimal ASCII
- Royalty-free TCP/IP stack with source code
- Configuration menu system

Design Advantages

- Minimal ethernet experience required
- 3 step setup
- Software compatible with other Rabbit-based products

Part No.	Description	Weight	Price
321656CB	Multi-Port serial to ethernet app. kit ⊕	2.0 lbs.	$375.25

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

The Rabbit 3000 Microprocessor

The new Rabbit 3000 is a high-performance, low-EMI microprocessor designed specifically for embedded control, communications, and Ethernet connectivity. The 8-bit Rabbit 3000 out performs most 16-bit processors without losing the efficiency of an 8-bit architecture. Extensive integrated features and glueless architecture facilitate rapid hardware design, while a C-friendly instruction set promotes efficient development of even the most complex applications.

All development kits come complete with microprocessor core module, prototyping board, Dynamic C® development software with documentation on CD-ROM, serial cable for programming and debugging, getting started manual and AC adapter.

Shared Features of the RCM3000 RabbitCore™ Series

- EMI Reduction: spectrum spreader for reduced EMI (radiated emissions)
- Serial Rate: max. asynchronous burst rate = CLK/8
- Backup battery: connection for user-supplied battery (to support RTC and SRAM)
- Shared interface: permits use as master or intelligent peripheral with Rabbit-based or other master controller
- Real-time clock: battery backable
- Watchdog: yes
- Timers: ten 8-bit timers (six cascadable from the first, three reserved for internal peripherals), and one 10-bit timer with 2 match registers
- Pulse-width modulation: 8-bit free running counter and four 10-bit pulse-width registers
- Input capture: 2-channel input capture can be used to time input signals from various port pins
- Quadrature recorder: 2-channel quadrature decoder accepts inputs from external incremental encoder modules

For detailed specs, visit www.Jameco.com/Rabbit

RCM3000 & 3100 General Purpose Development Kits

RCM3000 RabbitCore™ 10Base-T Development Kit

The RCM3000 RabbitCore™ with 49 I/O lines is the most powerful and feature-packed 10Base-T Ethernet microprocessor core module.


320733CB

RCM3100 RabbitCore™ General Purpose Development Kit

The RCM3100 RabbitCore™ with 54 I/O lines is ideal for non-Ethernet designs that need powerful embedded performance and a small footprint.

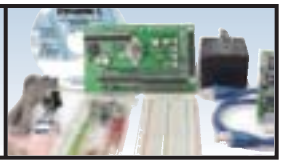
The RCM3000 & RCM3100 are ideal options for designers who want to rapidly develop and implement embedded systems with or without integrated Ethernet connectivity.

Both kits include the built-in RabbitCore™ low-EMI feature, including a clock spectrum spreader to help designers eliminate the kind of emissions-related problems that frequently derail tight development schedules. Additional features include a battery-backed real-time clock, glueless memory and I/O interfacing, a fully enabled slave port and an alternate I/O bus, which can be configured for 8 data lines and 6 address lines. Pin compatibility helps designers implement cost-effective 3.3V Ethernet and non-Ethernet systems without redesign.

Part No.	Description	Weight	Price
320733CB	RCM3000 ethernet enabled development kit ⊕	2.0 lbs.	$294.99
320741CB	RCM3100 general purpose development kit ⊕	2.0 lbs.	226.95

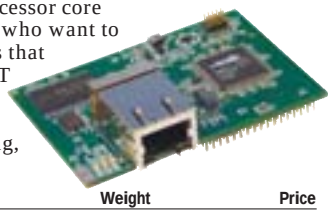
Ethernet and Microprocessor Starter Kits

See page 12 for details.



RCM3200 10/100Base-T Development Kit

The RCM3200 RabbitCore™ microprocessor core module is a great choice for designers who want to rapidly implement embedded systems that require a fully integrated 10/100Base-T Ethernet connection. Additional features include a battery-backed real-time clock, glueless I/O interfacing, slave port and an alternate I/O bus.



Part No.	Description	Weight	Price
320979CB	RCM3200 ethernet enabled development kit ⊕	2.0 lbs.	$331.55

RCM3300 & 3360 Flash Development Kits

The RCM3300 — Serial Flash Kit

The RCM3300 RabbitCore™ microprocessor core module is ideal for designers who want to rapidly develop serial Flash into their embedded application. The RCM3300 offers 8MB of serial flash for data logging and file storage purposes.


321082CB

The RCM3360 Supports xD-Picture Cards™

The RCM3360 RabbitCore™ microprocessor core module presents a new form of embedded flexibility: removable xD-Picture Cards. Supports 16MB of on-board NAND Flash as well as memory cards of up to 128MB. The RabbitCore is perfect for large data applications requiring low-power operation.


321613CB

Part No.	Description	Weight	Price
321082CB	RCM3300 serial flash development kit ⊕	2.0 lbs.	$283.95
321613CB	RCM3360 NAND flash development kit ⊕	2.0 lbs.	378.95

Comparison Chart for Rabbit Semiconductor Development Kits

Model No.	RCM3000	RCM3100	RCM3200	RCM3300	RCM3360
Jameco Part No.	320733CB	320741CB	320979CB	321082CB	321613CB
CPU Speed	29.4MHz	29.4MHz	44.2MHz	44.2MHz	44.2MHz
Ethernet	10Base-T, RJ-45, 2 LEDs	None	10/100Base-T, RJ-45, 3 LEDs	10/100Base-T, RJ-45, 3 LEDs	10/100Base-T, RJ-45, 3 LEDs
Flash Memory	512k (2 x 256kB)	512k (2 x 256kB)	512kB	512kB	512kB
SRAM	512kB	512kB	512kB program + 256kB data	512kB program + 512kB data	512kB program + 512kB data
Extended Memory	None	None	None	8MB Serial Flash	16MB NAND Flash Chip, xD Removable Flash Memory
General Purpose I/O	49 digital: 43 configurable, 3 fixed inputs, 3 fixed outputs	54 digital: 46 configurable, 4 fixed inputs, 4 fixed outputs	52 digital: 44 configurable, 4 fixed inputs, 4 fixed outputs	49 parallel digital: 43 configurable, 3 fixed inputs, 3 fixed outputs	52 parallel digital: 44 configurable, 4 fixed inputs, 4 fixed outputs
Analog Inputs	None	None	None	None	None
Additional Inputs	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset	2 Startup mode, Reset
Additional Outputs	Status, Reset	Status, Reset	Status, Reset	Status, Reset	Status, Reset
External I/O	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	6 shared w/ I/O, 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O 8 data, plus I/O Rd, I/O Wr	5 shared w/ I/O 8 data, plus I/O Rd, I/O Wr
Serial Ports	Six 3.3V CMOS-compatible config. as asynchronous (with IrDA), 4 config. as clocked (SPI), 2 config. as SDLC/HDLC			Five 3.3V CMOS-compat. config. asynch. (w/ IrDA), 3 config. clocked (SPI), 2 config. SDLC/HDLC, 1 asynch. (prog.)	Six 3.3V CMOS compat. config. asynch (w/ IrDA), 4 config. clocked (SPI), 2 config. SDLC/HDLC, 1 asynch dedicated (prog.)
Power	3.15 - 3.45VDC @ 150mA	3.15 - 3.45VDC @ 75mA	3.15 - 3.45V @ 255mA	3.15 - 3.45VDC @ 350mA	3.15 - 3.45VDC @ 350mA
Board Size	2.73" x 1.85" x 0.86"	1.85" x 1.65" x 0.55"	2.73" x 1.85" x 0.86"	2.73" x 1.85" x 0.86"	2.73" x 1.85" x 0.86"
Connectors	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers	Two 2 x 17.2mm IDC headers
Included	RabbitCore™ module, development board with prototyping area, Dynamic C development system and documentation on CD-ROM, serial cable, getting started manual, and AC adapter				
Price	$294.99⊕	$226.95⊕	$331.55⊕	$283.95⊕	$378.95⊕

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

RCM3400 Development Kit

The RCM3400 is based on the low-EMI Rabbit 3000 CPU running at 29.4MHz, with 512kB Flash and 512kB SRAM on board. The development board features a 10/100BaseT Ethernet connection and can be used as a reference design in conjunction with Dynamic C®'s royalty-free TCP/IP software libraries included in the development kit. Additional features include 5 serial ports and 8 analog inputs with programmable gain - all in an extremely small footprint! Each RCM3400 comes with a pre-assigned MAC ID, allowing it to be Ethernet ready.



Part No.	Description	Weight	Price
321031CB	RCM3400 analog development kit ⊕	2.0 lbs.	$378.95

RCM3600, 3700 & 3720 Combo Flash/10Base-T Kits

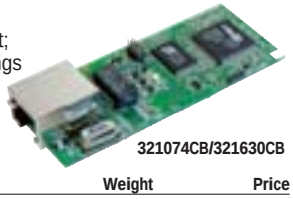
The RCM3600 and RCM3700/3720 RabbitCore™ development kits are the lowest priced Rabbit 3000 microprocessor based core modules designed for a wide variety of applications. Each is equipped with +5VDC tolerant I/O, quadrature encoder inputs, PWM outputs, and pulse capture and measurement capabilities.



321058CB

Design Advantages:

- Ready-made platform for fast time-to-market; up to 3 months design integration time savings
- Exceptionally fast performance for math, logic, I/O
- Dynamic C® development environment for real-time development & debugging

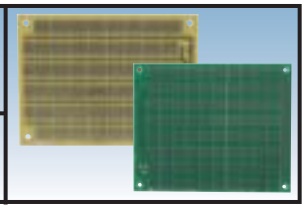


321074CB/321630CB

Part No.	Description	Weight	Price
321058CB	RCM3600 above without ethernet ⊕	2.0 lbs.	$226.95
321074CB	RCM3700 10Base-T enabled, 512kB SRAM kit ⊕	2.0 lbs.	283.95
321630CB	RCM3720 10Base-T enabled, 256kB SRAM kit ⊕	2.0 lbs.	188.95

More Prototyping Boards

See pages 294, 296 & 297 for more prototyping boards.



GSM/GPRS and M2M Application Kits

This kit provides all the tools necessary to sample and develop applications that combine a Rabbit-based control device with a GSM/GPRS modem. The libraries and sample programs allow for a device connected to the cellular network to send SMS (text) messages to a RabbitCore Module (RCM) that can interpret messages as commands and in turn execute control functions. The RCM can also send/receive GPRS email wirelessly to/from any PC, GSM device, or cell phone. The LCD/keypad module included incorporates a menu system that provides for an easy interface to read or send text messages and email.



321584CB



321197CB

Application Kit Highlights

- Hardware/Software for wireless RCM communication and control via GPRS/GSM
- GUI & Keypad configuration menu system
- Royalty-free TCP/IP stack in source code
- Sample programs/libraries for generic modem operation
- Fully integrated software: compiler, editor and debugger for control apps.

Part No.	Description	Weight	Price
321584CB	GSM/GPRS app. kit w/ Enfora modem ⊕	2.0 lbs.	$616.55
321197CB	Machine to Machine (M2K) kit w/ Wavecom modem ⊕	2.0 lbs.	663.95

Secure Embedded Web Application Kit

This kit provides optimized software development tools to easily build secure web interfaces for your new and existing applications. Built around the RCM3700 RabbitCore, the Kit offers Secure Socket Layer (SSL), which implements a 128-bit lock and key solution to encrypt data transfers. Software bundles (RabbitWeb, FAT File System and Secure Socket Layer) included enable rapid development of secure web browser interfaces for embedded system control.



Part No.	Description	Weight	Price
321470CB	Secure Embedded Web Application Kit ⊕	2.0 lbs.	$663.95

For detailed specs, visit www.Jameco.com/Rabbit

Comparison Chart for Rabbit Semiconductor Development Kits

Model No.	RCM3400	RCM3600	RCM3700	RCM3720
Jameco Part No.	321031CB	321058CB	321074CB	321630CB
CPU Speed	29.4MHz	22.1MHz	22.1MHz	22.1MHz
Ethernet	10/100Base-T, MAC ID installed	None	10Base-T, RJ-45	10Base-T, RJ-45
Flash Memory	512kB	512kB	512kB	512kB
SRAM	512kB	512kB	512kB	256kB
Extended Memory	None	None	1MB Serial Flash	1MB Serial Flash
General Purpose I/O	47 digital: 41 configurable, 3 fixed inputs, 3 fixed outputs	33 parallel digital: 31 configurable, 2 fixed outputs	33 parallel digital: 31 configurable, 2 fixed outputs	33 parallel digital: 31 configurable, 2 fixed outputs
Analog Inputs	8-channels single-ended (11-bit) or 4-channels differential (12-bit)	None	None	None
Additional Inputs	2 Startup mode, Reset In, CONVERT	Reset	Reset	None
Additional Outputs	Status, Reset, BVREF	None	None	None
External I/O	6 address (shared with I/O), 8 data, plus I/O Rd, I/O Wr	5 address (shared w/ I/O), 8 data, plus I/O Rd, I/O Wr	5 address (shared w/ I/O), 8 data, plus I/O Rd, I/O Wr	5 address (shared w/ I/O), 8 data, plus I/O Rd, I/O Wr
Serial Ports	5 CMOS-compatible: 4 configurable as asynchronous (with IrDA), 3 as clocked serial (SPI), and 2 as SDLC/HDLC with IrDA), 1 asynchronous serial port (programming), support for MIR/SIR IrDA transceiver	Four 3.3V CMOS-compatible: 4 configurable as asynchronous (with IrDA), 3 as clocked serial (SPI) and 1 as SDLC/HDLC (with IrDA) or 1 SPI and 2SDLC/HDLC, 1 asynchronous serial port (programming)		
Power	3.0-3.45VDC @ 97mA (29.4MHz); 2.8-3.45VDC @ 57mA (14.7MHz)	4.75-12.6VDC @ 60mA (22.1MHz); 4.75-12.6VDC @ 38mA (11.06MHz)	4.75-5.25VDC @ 100mA (22.1MHz); 4.75-5.25VDC @ 78mA (11.06MHz)	4.75-5.25VDC @ 100mA (22.1MHz); 4.75-5.25VDC @ 78mA (11.06MHz)
Board Size	1.37" x 1.16" x 0.31"	2.10" x 1.20" x 0.62"	2.95" x 1.20" x 0.85"	2.95" x 1.20" x 0.85"
Connectors	Two 2 x 17 (1.27mm)	One 2 x 20, 0.10" IDC header	One 2 x 20, 0.10" IDC header	One 2 x 20, 0.10" IDC header
Included	RabbitCore™ module, development board with prototyping area, Dynamic C® development system and documentation on CD-ROM, serial cable, getting started manual, and AC adapter			
Price	$378.95⊕	$226.95⊕	$283.95⊕	$188.95⊕

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Development Kits, Microcontrollers, Voice Chips and EPROM

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Microprocessor Starter Kit



Imagine tools

This Microprocessor Starter Kit is designed to work with several different forms of applications via system control: commands and feedback, data acquisition, and custom hardware setups specific to user requirements. Whether you are an embedded systems expert, or an electronics novice, Imagine Tools offers an educational community devoted to bringing as much value to a kit purchase as possible by offering free downloadable products, application ideas, and support. The microprocessor starter kit is ideal for hobbyists, enthusiasts, and entrepreneurs seeking to create a killer product and/or application.

- 256k FLASH/128k SRAM
- 33 digital I/O ports
- 4 serial ports
- Input voltage: 24-40VAC, 7-40VDC
- Current draw: 43mA typ.@12V, 16mA typ.@40V

Kit Includes: RCM3610 module with Rabbit 300A microprocessor, starter board, software CD, hardware, and power supply.

Part No.	Description	Price
354992CB	Microprocessor starter kit⊕	$94.05

Ethernet Starter Kit



Imagine tools

This starter kit is ideal for hobbyists, students and inventors who want to learn about C programming, TCP/IP programming and interfacing electronic devices with microprocessors. Fun and useful application projects take you step-by-step through hardware and software development. Create new applications such as a WAV file player, DC and stepper motor controller, GPS clock, and much more.

- Input voltage: 24-28VAC, 7-40VDC
- Current draw: 43mA typ.@12V, 16mA typ.@40V

Hardware Includes: RCM3700 Rabbit Microprocessor Core Module plus prototyping and breadboards (6.5"L x 2.2"W), 12VDC@1A power supply, serial cable, 2 Ethernet cables, 8Ω 400mW speaker, wiring kit, 10kΩ thermistor, 0.1µF capacitor, 10kΩ potentiometer, headers, and standoffs.

Software Includes: Dynamic C lite, libraries and samples, as well as royalty free TCP/IP protocol stack.

Part No.	Description	Price
355004CB	Ethernet starter kit⊕	$141.55

Stamp Microcontrollers

DIP 

80C52-BASIC Microcontroller

The 80C52-BASIC chip is a custom-masked microcontroller with a full-featured 8k-byte ROM-resident BASIC-52 interpreter. 256 x 8-bit RAM.

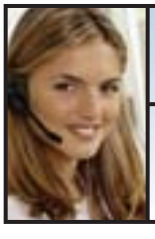
Hardware: • On-chip oscillator & clock circuit • Operates DC to 12MHz

Software: • Full BASIC interpreter in ROM on a single chip
• "Stand-alone" software development
• Interrupts can be handled by BASIC or Assembly Language

Part No.	Product No.	Description	1	10	100
125647CB	80C52BASIC⊕	40-pin CPU 8-bit CMOS w/ BASIC interpreter	$32.09	$28.89	$25.99

50MIPS SX Microcontroller

Part No.	Parallax No.	Description	1	10	100
162931CB	SX28AC/DP⊕	DIP-28 50MIPS SX microcontroller	$4.99	$4.89	$4.79
283063CB	SX48BD⊕	PQFP-48 flash RAM	~~$7.29~~ 5.15	4.90	4.45



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Single-Chip Voice Record/Playback Devices

10 to 120 Second Durations (28-pin DIP)



107334CB

- Manual switch or microprocessor controllable
- Directly cascadable for longer durations
- Fully addressable to handle multiple messages
- On-chip automatic gain control (AGC) and clock source
- Typical 100k record cycles, 1µA standby current, and 100 year message retention
- Single voltage operation: +5V (4.5V to 5.5V operating range)
- Playback can be edge or level-activated

Lower $$$

Part No.	Product No.	Description	1	10	50
141671CB	ISD1110P⊕	Voice record/playback (10 sec.)	$5.99	$5.75	$5.49
107334CB	ISD1420P⊕	Voice record/playback (20 sec.)	6.85	5.75	4.65
120643CB	ISD2560P⊕	Voice record/playback (60 sec.)	10.49	9.49	7.65
120660CB	ISD2590P⊕	Voice record/playback (90 sec.)	~~$14.09~~ 11.75	9.99	7.49
141655CB	ISD25120P⊕	Voice record/playback (120 sec.)	~~$14.49~~ 13.09	12.50	11.90

EPROM

DIP 

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
39909CB	2708❖	DIP-24	1k x 8	450ns (±5V, +12V)	$4.99	$4.29	$3.19
33611CB	TMS2716❖	DIP-24	2k x 8	450ns (±5V, +12V)	2.25	1.99	1.79
40002CB	2716❖	DIP-24	2k x 8	450ns (25V)	4.09	3.69	3.29
39706CB	27C16❖	DIP-24	2k x 8	450ns (25V) CMOS	6.99	5.99	4.99
308662CB	2716A-2⊕	DIP-24	2k x 8	200ns (21V)	6.09	5.48	5.03
40011CB	2716-1❖	DIP-24	2k x 8	350ns (25V)	6.49	5.89	5.39
265931CB	27C16-200⊕	DIP-24	2k x 8	200ns UVPROM (5V)	3.99	3.59	2.99
265965CB	27C16-150⊕	DIP-24	2k x 8	150ns UVPROM (5V)	~~$7.19~~ 6.15	5.20	3.90
40096CB	2732❖	DIP-24	4k x 8	450ns (25V)	6.49	5.49	4.19
39765CB	27C32❖	DIP-24	4k x 8	450ns (25V) CMOS	5.49	4.19	2.89
40133CB	2732A-45❖	DIP-24	4k x 8	450ns (21V)	3.99	3.69	3.29
33591CB	TMS2532❖	DIP-24	4k x 8	450ns (21V)	3.99	3.59	3.19
114876CB	2732B❖	DIP-24	4k x 8	450ns (12.5V)	4.19	3.79	3.39
40125CB	2732A-25❖	DIP-24	4k x 8	250ns (21V)	4.99	4.49	3.99
40109CB	2732A-20❖	DIP-24	4k x 8	200ns (21V)	6.49	5.99	5.49
265990CB	27C32-200⊕	DIP-24	4k x 8	200ns UVPROM (5V)	5.99	4.99	3.99
266001CB	27C32-150⊕	DIP-24	4k x 8	150ns UVPROM (5V)	6.99	5.99	4.99
40205CB	2764-25❖	DIP-28	8k x 8	250ns (21V)	4.75	4.30	3.85
40248CB	2764A-25❖	DIP-28	8k x 8	250ns (12.5V)	3.99	3.69	3.09
39845CB	27C64-25❖	DIP-28	8k x 8	250ns (12.5V) CMOS	4.05	3.65	3.40
40192CB	2764-20❖	DIP-28	8k x 8	200ns (21V)	5.29	4.79	4.29
40230CB	2764A-20❖	DIP-28	8k x 8	200ns (12.5V)	4.49	4.09	3.69
74608CB	27C64-20❖⊕	DIP-28	8k x 8	200ns (12.5V) CMOS	~~$4.69~~ 4.15	3.60	3.44
39829CB	27C64-15❖⊕	DIP-28	8k x 8	150ns (12.5V) CMOS	3.95	3.63	3.10
105304CB	27C64-12❖⊕	DIP-28	8k x 8	120ns (12.5V) CMOS	6.49	5.99	5.49
266036CB	27C64-100⊕	DIP-28	8k x 8	100ns UVPROM (5V)	4.09	3.59	2.69
266044CB	27C64-70⊕	DIP-28	8k x 8	70ns UVPROM (5V)	4.85	4.12	3.70
39933CB	27128-25❖	DIP-28	16k x 8	250ns (21V)	4.29	3.99	3.49
39984CB	27128A-25❖	DIP-28	16k x 8	250ns (12.5V)	4.49	4.09	3.69
39685CB	27C128-25❖	DIP-28	16k x 8	250ns (12.5V) CMOS	3.99	3.59	3.29
39968CB	27128A-20❖	DIP-28	16k x 8	200ns (12.5V)	4.25	3.75	3.40
101101CB	27C128-20❖	DIP-28	16k x 8	200ns (12.5V) CMOS	4.39	3.95	3.56
39950CB	27128A-15❖	DIP-28	16k x 8	150ns (12.5V)	4.05	3.60	3.25
39677CB	27C128-15❖	DIP-28	16k x 8	150ns (12.5V) CMOS	4.29	3.89	3.49
87935CB	27C128-12❖	DIP-28	16k x 8	120ns (12.5V) CMOS	4.45	3.90	3.50
266061CB	27C128-100⊕	DIP-28	16k x 8	100ns (12Vpp)	~~$4.89~~ 4.39	3.86	3.50
149665CB	27C128-70⊕	DIP-28	16k x 8	70ns (12.5V)	4.89	4.29	3.89
40061CB	27256-25❖	DIP-28	32k x 8	250ns (12V)	3.19	2.99	2.69
39731CB	27C256-25❖	DIP-28	32k x 8	250ns (12.5V) CMOS	3.19	2.99	2.69
40045CB	27256-20❖	DIP-28	32k x 8	200ns (12.5V)	3.39	2.96	2.69
39722CB	27C256-20❖	DIP-28	32k x 8	200ns (12.5V) CMOS	2.59	2.49	2.19
40037CB	27256-15❖	DIP-28	32k x 8	150ns (12.5V)	3.45	3.25	2.93
39714CB	27C256-15❖⊕	DIP-28	32k x 8	150ns (12.5V) CMOS	2.09	1.79	1.59
65904CB	27C256-12❖⊕	DIP-28	32k x 8	120ns (12.5V) CMOS	2.09	1.99	1.79
112740CB	27C256-10❖⊕	DIP-28	32k x 8	100ns (12.5V) CMOS	2.95	2.80	2.35
140476CB	27C256-70❖⊕	DIP-28	32k x 8	70ns (12.5V) CMOS	3.39	3.19	2.99
266079CB	27C256-55⊕	DIP-28	32k x 8	55ns UVPROM (5V)	4.99	4.79	4.29

❖ Refurbished = Backed by Jameco

ℝ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

EPROM (Continued)



Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
40168CB	27512-25✣	DIP-28	64k x 8	250ns (12.5V)	$3.69	$3.39	$3.09
39802CB	27C512-25✣	DIP-28	64k x 8	250ns (12.5V) CMOS	4.75	4.39	3.95
40150CB	27512-20✣✪	DIP-28	64k x 8	200ns (12.5V)	2.69	2.39	2.19
39790CB	27C512-20✣	DIP-28	64k x 8	200ns (12.5V) CMOS	3.09	2.89	2.59
39781CB	27C512-15✣⊕	DIP-28	64k x 8	150ns (12.5V) CMOS	2.09	1.99	1.79
39773CB	27C512-12✣⊕	DIP-28	64k x 8	120ns (12.5V) CMOS	1.59	1.40	1.35
131959CB	27C512-10✣⊕	DIP-28	64k x 8	100ns (12.5V) CMOS	3.05	2.89	2.49
175206CB	27C512-90✣⊕	DIP-28	64k x 8	90ns (12.5V) CMOS	~~$2.79~~ 1.75	1.68	1.60
203625CB	27C512-70⊕	DIP-28	64k x 8	70ns (12.5V) CMOS	2.69	2.37	1.79
266087CB	27C512-55⊕	DIP-28	64k x 8	55ns (12Vpp)	2.69	2.24	1.79
203617CB	27C512-45⊕	DIP-28	64k x 8	45ns (12.5V) CMOS	2.69	2.25	1.79
118148CB	27C1024-15⊕	DIP-40	64k x 16	150ns (12.5V) CMOS	5.25	4.83	3.55
203641CB	27C1024-12⊕	DIP-40	64k x 16	120ns (12.5V) CMOS	5.29	4.79	4.39
203633CB	27C1024-80⊕	DIP-40	64k x 16	80ns (12.5V) CMOS	~~$5.29~~ 2.79	2.64	2.58
39669CB	27C010-20✣	DIP-32	128k x 8	200ns (12.5V) CMOS	2.09	1.85	1.52
39651CB	27C010-15✣⊕	DIP-32	128k x 8	150ns (12.5V) CMOS	2.09	1.90	1.75
74624CB	27C010-12✣⊕	DIP-32	128k x 8	120ns (12.5V) CMOS	1.99	1.90	1.70
79231CB	27C010-10✣⊕	DIP-32	128k x 8	100ns (12.5V) CMOS	~~$2.39~~ 2.09	1.75	1.60
137699CB	27C010-80✣⊕	DIP-32	128k x 8	80ns (12.5V) CMOS	5.15	4.61	4.09
146149CB	27C010-70✣⊕	DIP-32	128k x 8	70ns (12.5V) CMOS	2.49	2.29	2.09
266095CB	27C010-55⊕	DIP-32	128k x 8	55ns (12Vpp)	3.19	2.65	2.12
137701CB	27C010-45✣⊕	DIP-32	128k x 8	45ns (12.5V) CMOS	~~$3.99~~ 3.19	3.03	2.89
65681CB	27C020-20✣⊕	DIP-32	256k x 8	200ns (12.5V) CMOS	~~$4.99~~ 3.49	3.07	2.82
65699CB	27C020-15✣	DIP-32	256k x 8	150ns (12.5V) CMOS	5.29	4.99	4.49
78852CB	27C020-12✣⊕	DIP-32	256k x 8	120ns (12.5V) CMOS	~~$5.29~~ 4.35	4.15	3.95
156267CB	27C020-10⊕	DIP-32	256k x 8	100ns (12.5V) CMOS	~~$4.09~~ 2.85	2.65	2.18
203650CB	27C020-80⊕	DIP-32	256k x 8	80ns (12.5V) CMOS	4.25	3.61	2.71
266108CB	27C020-70⊕	DIP-32	256k x 8	70ns UVPROM (5V)	~~$4.89~~ 4.35	3.85	2.90
266116CB	27C020-55⊕	DIP-32	256k x 8	55ns UVPROM (5V)	~~$6.89~~ 3.49	3.19	2.90
127933CB	27C4096-12⊕	DIP-40	256k x 16	120ns (12.5V) CMOS	~~$9.29~~ 6.95	5.95	5.35
85462CB	27C040-15✣	DIP-32	512k x 8	150ns (12.5V) CMOS	~~$6.59~~ 5.05	4.35	3.75
102293CB	27C040-12✣⊕	DIP-32	512k x 8	120ns (12.5V) CMOS	~~$6.59~~ 5.05	4.35	3.75
111780CB	27C040-10✣⊕	DIP-32	512k x 8	100ns (12.5V) CMOS	~~$7.09~~ 5.05	4.35	3.75
203676CB	27C040-80⊕	DIP-32	512k x 8	80ns (12.5V) CMOS	~~$5.45~~ 5.05	4.99	4.95
266124CB	27C040-70⊕	DIP-32	512k x 8	70ns UVPROM (5V)	~~$6.05~~ 5.05	4.35	3.75
266132CB	27C040-55⊕	DIP-32	512k x 8	55ns UVPROM (5V)	~~$9.49~~ 5.05	4.75	3.56
203668CB	27C040-45⊕	DIP-32	512k x 8	45ns (12.5V) CMOS	~~$8.75~~ 6.15	5.85	5.58
140003CB	27C080-12✣⊕	DIP-32	1M x 8	120ns (12.5V) CMOS	12.59	11.59	10.59
265842CB	27C800-12⊕	DIP-42	1M x 8	120ns UVPROM (5V)	12.59	11.59	10.59
156275CB	27C080-10✣⊕	DIP-32	1M x 8	100ns (12.5V) CMOS	~~$12.99~~ 12.99	11.99	10.99
203684CB	27C080-90⊕	DIP-32	1M x 8	90ns (12.5V) CMOS	~~$12.99~~ 10.85	10.15	9.25
156283CB	27C160-10⊕	DIP-42	2M x 8	100ns (12.5V) CMOS	18.95	18.05	17.10

✣ Refurbished = Backed by Jameco ✪ Blue Part No. = Limited Quantity Available

See EPROM programmers and erasers on pages 298 & 299

EPROM Accessories

Part No.	Cross Ref.	Description	1	5
13864CB	CF2⊕	Conductive foam (12" x 24" x .25") hard black	$9.29	$8.35
66042CB	DE1	UVP portable EPROM eraser, pg 299	51.85	49.95
15712CB	DE4	8-chip UV-EPROM eraser, pg 299	106.85	101.49

OTP/PROM



Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
48531CB	74S188	DIP-16	32 x 8	Open collector (27S18)	$4.39	$3.95	$3.45
48717CB	74S288	DIP-16	32 x 8	Tri-st. (27S19/TBP18S030N)	8.15	7.03	6.04
27844CB	N82S23	DIP-16	32 x 8	PROM (OC) (27S18)	5.99	5.39	4.89
27764CB	N82S123	DIP-16	32 x 8	PROM tri-state (27S19)	9.49	9.10	8.65
48696CB	74S287	DIP-16	256 x 4	Tri-state (TBP24S10N)	9.85	9.03	7.80
48805CB	74S387	DIP-16	256 x 4	Open collector (TBP24A10N)	3.09	2.79	2.55
27772CB	N82S126	DIP-16	256 x 4	PROM (OC) (27S20)	~~$10.95~~ 9.35	8.15	7.10
27781CB	N82S129⊕	DIP-16	256 x 4	PROM tri-state (27S21)	9.95	9.45	8.30
48910CB	74S571⊕	DIP-16	512 x 4	Tri-state (27S13)	5.69	5.45	4.95
27799CB	N82S131	DIP-16	512 x 4	PROM tri-state (27S13)	7.99	6.99	5.99

OTP/PROM (Continued)





Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
48928CB	74S573⊕	DIP-18	1k x 4	Tri-state (27S33)	$4.25	$3.61	$3.25
27801CB	N82S137⊕	DIP-18	1k x 4	PROM tri-state (27S33)	6.95	6.25	5.65
27810CB	N82S181⊕	DIP-24	1k x 8	Bipolar PROM tri-state	6.59	5.59	4.89
27828CB	N82S185	DIP-18	2k x 4	PROM tri-state	3.89	3.19	3.09
27836CB	N82S191	DIP-24	2k x 8	PROM tri-state	8.95	7.85	7.15
266212CB	27C64A-20⊕	PLCC-32	8k x 8	200ns CMOS	2.19	2.09	1.69
394978CB	AT27C256R-45JI⊕	PLCC-32	32k x 8	45ns OTP, LP, I-temp.	1.09	.95	.89
394986CB	AT27C256R-45PI⊕	DIP-28	32k x 8	45ns OTP, LP, I-temp.	1.09	.95	.89
266327CB	27C256-55⊕	PLCC-32	32k x 8	55ns CMOS	2.25	1.95	1.90
395014CB	AT27C256R-70JI⊕	PLCC-32	32k x 8	70ns OTP, LP, I-temp.	.95	.80	.76
266319CB	27C256-70⊕	PLCC-32	32k x 8	70ns CMOS	~~$2.09~~ 1.25	1.10	.91
266280CB	27C256-10⊕	PLCC-32	32k x 8	100ns CMOS	1.99	1.69	1.27
266255CB	27C256-15⊕	PLCC-32	32k x 8	150ns CMOS	~~$1.69~~ 1.15	1.05	.91
266247CB	27C256-20⊕	PLCC-32	32k x 8	200ns CMOS	1.59	1.43	1.29
395049CB	AT27C512R-45PI⊕	DIP-28	64k x 8	45ns OTP, LP, I-temp.	1.09	.95	.89
266386CB	27C512-55⊕	PLCC-32	64k x 8	55ns CMOS	2.25	2.05	1.90
395073CB	AT27C512R-70JI⊕	PLCC-32	64k x 8	70ns OTP, LP, I-temp.	1.09	.95	.89
395081CB	AT27C512R-70PI⊕	DIP-28	64k x 8	70ns OTP, LP, I-temp.	1.09	.95	.89
266351CB	27C512-70⊕	PLCC-32	64k x 8	70ns CMOS	~~$2.29~~ 1.45	1.35	1.15
203730CB	27C512-10⊕	PLCC-32	64k x 8	100ns (12.5V) CMOS	1.99	1.89	1.73
203692CB	27C512-12 OTP⊕	DIP-28	64k x 8	120ns (12.5V) CMOS	2.09	1.89	1.79
266343CB	27C512-15⊕	PLCC-32	64k x 8	150ns CMOS	~~$1.89~~ .95	.83	.80
266335CB	27C512-20⊕	PLCC-32	64k x 8	200ns CMOS	1.79	1.52	1.14
394644CB	AT27BV1024-12JI⊕	PLCC-44	64k x 16	120ns 2.7V OTP high-spd, I-tmp.	3.99	3.91	3.87
394652CB	AT27BV1024-12VI⊕	VSOP-40	64k x 16	120ns 2.7V OTP high-spd, I-tmp.	5.09	4.75	4.70
266811CB	27C010-55⊕	PLCC-32	128k x 8	55ns CMOS	2.09	1.85	1.55
394695CB	AT27C010-70JI⊕	PLCC-32	128k x 8	70ns OTP, I-temp.	2.15	1.75	1.52
394708CB	AT27C010-70PI⊕	DIP-32	128k x 8	70ns OTP, I-temp.	1.25	1.09	1.05
266802CB	27C010-70⊕	PLCC-32	128k x 8	70ns CMOS	~~$2.29~~ 1.95	1.75	1.31
203705CB	27C010-10 OTP⊕	DIP-32	128k x 8	100ns (12.5V) CMOS	2.29	2.19	1.99
203748CB	27C010-10	PLCC-32	128k x 8	100ns (12.5V) CMOS	2.09	1.85	1.52
266790CB	27C010-15⊕	PLCC-32	128k x 8	150ns CMOS	1.55	1.33	1.00
266394CB	27C010-20⊕	PLCC-32	128k x 8	200ns CMOS	1.35	1.20	1.09
267101CB	27C020-70⊕	PLCC-32	256k x 8	70ns CMOS	~~$3.89~~ 3.65	3.31	2.48
394791CB	AT27C020-90PI⊕	DIP-32	256k x 8	90ns OTP, I-temp.	1.65	1.48	1.41
203713CB	27C020-10 OTP	DIP-32	256k x 8	100ns (12.5V) CMOS	3.15	3.05	2.87
203756CB	27C020-10⊕	PLCC-32	256k x 8	100ns (12.5V) CMOS	~~$3.79~~ 3.39	3.32	2.96
266888CB	27C020-15⊕	PLCC-32	256k x 8	150ns CMOS	~~$3.89~~ 3.65	3.31	2.48
266853CB	27C020-20⊕	PLCC-32	256k x 8	200ns (12V) CMOS	~~$3.69~~ 3.29	3.14	2.87
203764CB	27C040-10⊕	PLCC-32	512k x 8	100ns (12.5V) CMOS	~~$5.95~~ 3.95	3.75	3.55
267160CB	27C040-15⊕	PLCC-32	512k x 8	150ns CMOS	~~$3.79~~ 3.39	2.89	2.16
267303CB	27C080-10⊕	PLCC-32	1M x 8	100ns CMOS	9.89	8.82	8.69
267215CB	27C080-15⊕	PLCC-32	1M x 8	150ns (12V) CMOS	~~$7.65~~ 4.29	3.90	3.55

EEPROM





Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
276584CB	24C00⊕	SOIC-8	16 x 8	Serial	$.32	$.27	$.20
276568CB	24C00⊕	DIP-8	16 x 8	Serial	.26	.22	.166
200627CB	24C44⊕	DIP-8	16 x 16	Serial CMOS	1.99	1.79	1.61
276955CB	93C46⊕	SOIC-8	64 x 16	3-wire serial	.39	.32	.24
102058CB	93C46⊕	DIP-8	64 x 16	Serial (5V)	.43	.32	.24
276592CB	24C01⊕	DIP-8	128 x 8	2-wire serial	.36	.30	.25
276621CB	24C01⊕	SOIC-8	128 x 8	2-wire serial	.29	.25	.18
368649CB	AT24C01A-10PI-2.7⊕	DIP-8	128 x 8	2-wire serial, 2.7V, I-temp.	.28	.20	.19
368711CB	AT24C01A-10SI-2.7⊕	SOIC-8	128 x 8	2-wire serial, 2.7V, I-temp.	.56	.481	.454
276971CB	93C56⊕	SOIC-8	128 x 16	3-wire serial	.54	.50	.41
108855CB	93C56⊕	DIP-8	128 x 16	Serial (5V)	.48	.46	.34
276630CB	24C02⊕	SOIC-8	256 x 8	2-wire serial	.37	.31	.233
368868CB	AT24C02AN-10SI-2.7⊕	SOIC-8	256 x 8	2-wire serial, 2.7V, I-temp.	.62	.59	.545
368913CB	AT24C02N-10SI-1.8⊕	SOIC-8	256 x 8	2-wire serial, 1.8V, I-temp.	.58	.46	.415
108839CB	24C02P⊕	DIP-8	256 x 8	Serial CMOS	.40	.38	.30
369617CB	AT25020A-10PI-2.7⊕	DIP-8	256 x 8	SPI serial, 2.7V, I-temp.	.56	.54	.49
368737CB	AT25640AN-10SI-1.8	DIP-8	256 x 8	SPI serial, 1.8V, I-temp.	1.15	1.15	.90

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

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EEPROM

DIP TSSOP SOIC PLCC

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
276980CB	93C66⊕	SOIC-8	256 x 16	3-wire serial	$.37	$.36	$.27
200598CB	93C66⊕	DIP-8	256 x 16	Serial (5V)	~~$.69~~ .51	.42	.31
276648CB	24C04⊕	SOIC-8	512 x 8	2-wire serial	.34	.29	.22
368930CB	AT24C04A-10PI-2.7⊕	DIP-8	512 x 8	2-wire serial, 2.7V, I-temp.	.53	.48	.33
108847CB	24C04P⊕	DIP-8	512 x 8	Serial CMOS	~~$.89~~ .71	.64	.48
369086CB	AT24C04AN-10SI-2.7⊕	SOIC-8	512 x 8	2-wire serial, 2.7V, I-temp.	.69	.66	.60
276664CB	24C08⊕	SOIC-8	1k x 8	2-wire serial	.30	.29	.27
200547CB	24C08-10⊕	DIP-8	1k x 8	Serial CMOS	.79	.72	.54
369220CB	AT24C08AN-10SI-2.7⊕	SOIC-8	1k x 8	2-wire serial, 2.7V, I-temp.	.31	.305	.285
277018CB	93C86⊕	SOIC-8	1k x 16	Microwire serial	1.07	1.04	.93
200601CB	93C86⊕	DIP-8	1k x 16	Serial (5V)	.72	.59	.44
276681CB	24C16⊕	SOIC-8	2k x 8	2-wire serial	.45	.42	.37
200555CB	24C16-10⊕	DIP-8	2k x 8	Serial CMOS	.89	.80	.66
369369CB	AT24C16A-10PI-2.7⊕	DIP-8	2k x 8	2-wire serial, 2.7V, I-temp.	.43	.33	.32
368809CB	AT24C16AN-10SI-1.8⊕	SOIC-8	2k x 8	2-wire serial, 1.8V, I-temp.	.42	.407	.378
368948CB	AT24C16AN-10SI-2.7⊕	SOIC-8	2k x 8	2-wire serial, 2.7V, I-temp.	.37	.36	.34
369836CB	AT25160-10PI-1.8⊕	DIP-8	2k x 8	SPI serial, 1.8V, I-temp.	1.49	1.45	1.39
369810CB	AT25160A-10PI-1.8⊕	DIP-8	2k x 8	SPI serial, 1.8V, I-temp.	.52	.50	.453
369852CB	AT25160AN-10SI-2.7⊕	SOIC-8	2k x 8	SPI serial, 2.7V, I-temp.	.72	.60	.53
395292CB	AT28BV16-25JC⊕	PLCC-32	2k x 8	250ns 2.7V batt volt CMOS	3.25	3.22	3.19
276699CB	28C16⊕	SOIC-24	2k x 8	Parallel	2.45	1.98	1.73
74691CB	28C16A-25⊕	DIP-24	2k x 8	250ns (5V) CMOS DATA polling	3.99	3.69	3.39
276701CB	28C17⊕	DIP-28	2k x 8	Parallel	2.29	2.05	1.95
40416CB	2817A-25✣	DIP-28	2k x 8	250ns 5V read/write, Ready/Busy pin	7.15	6.45	5.85
276728CB	24C32⊕	SOIC-8	4k x 8	2-wire serial	~~$.56~~ .42	.40	.32
200563CB	24C32-10⊕	DIP-8	4k x 8	Serial CMOS	~~$1.79~~ 1.08	.87	.77
369449CB	AT24C32A-10PI-2.7⊕	DIP-8	4k x 8	2-wire serial, 2.7V, I-temp.	.76	.65	.47
369473CB	AT24C32AN-10SI-1.8⊕	SOIC-8	4k x 8	2-wire serial, 1.8V, I-temp. 0.15" W	.47	.46	.42
369481CB	AT24C32AN-10SI-2.7⊕	SOIC-8	4k x 8	2-wire serial, 2.7V, I-temp. 0.15" W	1.09	.86	.77
369502CB	AT24C32AW-10SI-2.7⊕	SOIC-8	4k x 8	2-wire serial, 2.7V, I-temp.	2.35	1.43	1.27
369983CB	AT25320AN-10SI-2.7⊕	SOIC-8	4k x 8	SPI serial, 2.7V, I-temp.	1.49	1.43	1.30
276744CB	24C64⊕	SOIC-8	8k x 8	2-wire serial	.49	.45	.42
369570CB	AT24C64A-10TI-2.7⊕	TSSOP-8	8k x 8	2-wire serial, 2.7V, I-temp.	4.35	3.85	3.73
369537CB	AT24C64AN-10SI-2.7⊕	SOIC-8	8k x 8	2-wire serial, 2.7V, I-temp.	.49	.48	.46
200619CB	24C65⊕	DIP-8	8k x 8	Serial CMOS	2.15	2.05	1.85
276752CB	28C64⊕	SOIC-28	8k x 8	EEPROM	3.69	3.14	2.35
74827CB	28C64A-25⊕	DIP-28	8k x 8	250ns, 5V CMOS	4.45	3.80	3.65
40475CB	2865A✣	DIP-28	8k x 8	250ns 5V read/write	4.95	4.49	4.05
276787CB	24C128⊕	SOIC-8	16k x 8	2-wire serial	1.05	.89	.67
200571CB	24C128-10⊕	DIP-8	16k x 8	Serial CMOS	~~$1.89~~ 1.65	1.35	1.20
369271CB	AT24C128-10PI-1.8⊕	DIP-8	16k x 8	2-wire serial, 1.8V, I-temp.	1.89	1.86	1.65
369289CB	AT24C128-10PI-2.7⊕	DIP-8	16k x 8	2-wire serial, 2.7V, I-temp.	1.89	1.85	1.70
369326CB	AT24C128W-10SI-2.7⊕	SOIC-8	16k x 8	2-wire serial, 2.7V, I-temp.	1.89	1.83	1.68
276808CB	24C256⊕	SOIC-8	32k x 8	2-wire serial	1.45	1.23	.92
200580CB	24C256-10⊕	DIP-8	32k x 8	Serial CMOS	2.35	1.90	1.70
369406CB	AT24C256W-10SI-1.8⊕	SOIC-8	32k x 8	2-wire serial, 1.8V, I-temp.	3.15	2.54	2.25
369414CB	AT24C256W-10SI-2.7⊕	SOIC-8	32k x 8	2-wire serial, 2.7V, I-temp.	3.45	3.10	2.80
395330CB	AT28BV256-20SC⊕	SOIC-28	32k x 8	200ns 2.7V batt volt parallel	11.45	11.05	10.70
276816CB	28C256	SOIC-28	32k x 8	Paged parallel CMOS	8.49	7.22	5.41
74878CB	28C256-25⊕	DIP-28	32k x 8	250ns CMOS	8.25	7.10	7.05
74843CB	28C256-15⊕	DIP-28	32k x 8	150ns CMOS	8.99	6.89	6.19
370183CB	AT28C256-15PC⊕	DIP-28	32k x 8	150ns paged parallel	3.95	3.70	3.60
276875CB	24C512⊕	SOIC-8	64k x 8	2-wire serial CMOS	~~$2.65~~ 2.15	2.07	1.98
276832CB	24C512⊕	DIP-8	64k x 8	2-wire serial CMOS	~~$2.29~~ 2.15	2.08	1.91
276921CB	24C1024⊕	SOIC-8	128k x 8	2-wire serial CMOS	~~$7.59~~ 5.09	4.62	4.20
276912CB	24C1024⊕	DIP-8	128k x 8	2-wire serial CMOS	6.65	5.18	4.77
276947CB	28C010⊕	PLCC-32	128k x 8	Paged parallel CMOS	23.75	16.19	12.14
242253CB	28C010-15	DIP-32	128k x 8	150ns, 5V CMOS	~~$33.09~~ 30.89	29.85	28.45
395372CB	AT28LV010-20TC	TSSOP-32	128k x 8	200ns 3V low volt paged parallel	37.29	35.99	34.69

✣ Refurbished = Backed by Jameco

Flash Memory

SOIC

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
321605CB	M25P10-AVMN6⊕	SOIC-8	128k x 8	3V w/ 40MHz SPI bus interf.	$1.49	$1.37	$1.24
321648CB	M25P20-VMN6⊕	SOIC-8	256k x 8	3V w/ 40MHz SPI bus interf.	1.75	1.60	1.45
321664CB	M25P40-VMN6⊕	SOIC-8	512k x 8	3V w/ 40MHz SPI bus interf.	3.05	2.88	2.74
321672CB	M25P80-VMW6⊕	SOIC-8	1M x 8	3V w/ 40MHz SPI bus interf.	3.35	2.98	2.83

Flash Memory

PLCC DIP TSOP

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
375929CB	AT29LV256-15JC⊕	PLCC-32	32k x 8	150ns (3V)	~~$4.45~~ $4.15	$3.95	$3.75
376059CB	AT29C512-70JC⊕	PLCC-32	64k x 8	70ns (5V)	1.75	1.52	1.50
242552CB	29C512-12⊕	DIP-32	64k x 8	120ns (5V) CMOS	5.25	4.25	4.05
242561CB	29F512-90⊕	DIP-32	64k x 8	90ns (5V) CMOS	4.69	3.89	3.59
375937CB	AT29LV512-15JC⊕	PLCC-32	64k x 8	150ns (3V)	1.99	1.97	1.95
375785CB	AT49BV512-12JC⊕	PLCC-32	64k x 8	120ns, single 2.7V	4.25	4.10	4.05
375961CB	AT29LV1024-15JC⊕	PLCC-44	64k x 16	150ns (3V)	2.69	2.44	2.39
74771CB	28F010-15	DIP-32	128k x 8	150ns (12V) CMOS	~~$6.95~~ 5.49	4.12	3.66
376075CB	AT29C010A-70JC⊕	PLCC-32	128k x 8	70ns (5V)	2.35	2.15	2.12
242587CB	29F010-120⊕	DIP-32	128k x 8	120ns (5V) CMOS	3.95	3.65	3.15
242595CB	29F010-90⊕	DIP-32	128k x 8	90ns (5V) CMOS	5.35	4.34	3.61
242608CB	29F010-70⊕	DIP-32	128k x 8	70ns (5V) CMOS	6.09	4.99	4.49
375953CB	AT29LV010A-15JC⊕	PLCC-32	128k x 8	150ns (3V)	2.39	2.14	2.12
74835CB	28F020-15	DIP-32	256k x 8	150ns (12V) CMOS	7.95	7.15	6.45
376121CB	AT29C020-90JI⊕	PLCC-32	256k x 8	90ns (5V), I-temp.	3.39	3.10	3.05
242616CB	29F020-12⊕	DIP-32	256k x 8	120ns (5V) CMOS	6.69	6.54	6.22
242624CB	29F020-90	DIP-32	256k x 8	90ns (5V) CMOS	~~$3.69~~ 3.39	3.12	2.98
375988CB	AT29LV020-20JC⊕	PLCC-32	256k x 8	200ns (3V)	3.39	3.14	3.10
375814CB	AT49BV002A-70JI⊕	PLCC-32	256k x 8	70ns, 2.7V, I-temp. w/ reset	~~$1.79~~ 1.65	1.58	1.51
376366CB	AT49F002ANT-55JI⊕	PLCC-32	256k x 8	55ns (5V), I-temp.	2.05	1.85	1.78
376163CB	AT29C040A-90JI⊕	PLCC-32	512k x 8	90ns (5V), 256-byte sector, I-temp.	4.39	4.15	4.10
242659CB	29F040-120⊕	DIP-32	512k x 8	120ns (5V) CMOS	8.95	8.65	8.25
242667CB	29F040-90⊕	DIP-32	512k x 8	90ns (5V) CMOS	12.05	11.45	10.85
375996CB	AT29LV040A-15JC⊕	PLCC-32	512k x 8	150ns (3V), 256-byte sector	4.39	4.20	4.10
375911CB	AT49BV040A-70JI⊕	PLCC-32	512k x 8	70ns, single 2.7V, I-temp.	2.05	2.03	2.01
277261CB	29F800-70	TSOP-48	1M x 8	70ns (5V) bottom boot	6.95	6.59	6.29
277270CB	29F800-120⊕	TSOP-48	1M x 8	120ns (5V) top boot	3.45	3.14	2.85
277288CB	29F800-120⊕	TSOP-48	1M x 8	120ns (5V) bottom boot	~~$7.35~~ 3.25	3.12	2.95
277448CB	28F128-150⊕	TSOP-56	16M x 8	150ns (5V)	21.09	19.00	17.10

Legacy DRAM

DIP SOJ

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
41339CB	4116-15	DIP-16	16k x 1	150ns (MM5290J-1R)	$.99	$.89	$.80
41662CB	4164-150	DIP-16	64k x 1	150ns (MCM6665-15)	.59	.53	.48
41574CB	41464-10♣	DIP-18	64k x 4	100ns (HY53C464S-10)	1.69	1.65	1.59
41398CB	41256-120	DIP-16	256k x 1	120ns (MB81256-12)	.73	.62	.47
42315CB	514256P-80	DIP-20	256k x 4	80ns (UPD424256-80)	2.49	2.25	2.05
93374CB	514256P-70	DIP-20	256k x 4	70ns (TC514256P-70)	2.79	2.49	2.19
128688CB	HM514260	SOJ	256k x 16	70ns	3.39	3.05	2.75
42219CB	511000P-10	DIP-18	1M x 1	100ns (M5M4C1000-10)	2.59	2.33	2.10

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Static RAM

TSSOP DIP SOP/SOJ

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
38931CB	2111-1	DIP-18	256 x 4	500ns (AM9111APC)	$1.69	$1.55	$1.35
42198CB	5101♣	DIP-22	256 x 4	450ns (CMOS)	7.99	7.19	6.49
38957CB	2114N	DIP-18	1k x 4	450ns (9114BPC)	2.29	1.99	1.79
43238CB	6514	DIP-18	1k x 4	350ns CMOS (M58981P)	3.95	3.65	3.35
38973CB	2114N-2	DIP-18	1k x 4	200ns (9114EPC) (U214D20)	2.49	2.09	1.89
38981CB	2114N-2L	DIP-18	1k x 4	200ns low power ~~$2.49~~	2.25	2.05	1.85
243475CB	MBM104174A-10	DIP-24	1k x 4	10ns ECL asynchronous	.65	.55	.41
392243CB	CY7C131-55JC⊕	PLCC-52	1k x 8	55ns high spd, dual port CMOS	5.75	4.64	3.96
392462CB	CY7C4225V-15ASC⊕	STQFP-64	1k x 18	15ns high spd, low-pwr FIFO synch.	17.79	17.59	17.43
38746CB	2016-20✪	DIP-24	2k x 8	200ns (MB8128-20)	.80	.73	.66
114260CB	DS1220Y-150⊕	DIP-24	2k x 8	150ns 4.25V WP	11.95	10.95	9.85
25911CB	MK48Z02B-15⊕	DIP-24	2k x 8	150ns (16kB) zero-power RAM	7.25	6.70	6.35
42809CB	6116P-3♣	DIP-24	2k x 8	150ns (16kB) CMOS	1.49	1.29	1.09
42753CB	6116LP-3♣	DIP-24	2k x 8	150ns (16kB) LP CMOS	1.95	1.75	1.59
38738CB	2016-12	DIP-24	2k x 8	120ns (AM9128-12)	1.25	1.13	.85
42796CB	6116P-2♣	DIP-24	2k x 8	120ns (16kB) CMOS	1.59	1.39	1.29
42788CB	6116P-1	DIP-24	2k x 8	100ns (16kB) CMOS	1.69	1.49	1.39
42737CB	6116LP-1	DIP-24	2k x 8	100ns (16kB) LP CMOS	1.99	1.79	1.65
242675CB	6116-70⊕	DIP-24	2k x 8	70ns (5V) CMOS async.	2.09	1.99	1.89
242712CB	CY7C128A-15⊕	DIP-24	2k x 8	15ns (5V) CMOS async. ~~$4.45~~	4.15	3.35	2.65
242704CB	CY7C128A-25	DIP-24	2k x 8	25ns (5V) CMOS async. ~~$4.69~~	3.25	2.55	1.85
242691CB	CY7C128A-35	DIP-24	2k x 8	35ns (5V) CMOS async.	3.65	2.95	2.30
242683CB	CY7C128A-45	DIP-24	2k x 8	45ns (5V) CMOS async. ~~$7.95~~	4.25	3.85	3.50
392446CB	CY7C4235V-15ASC⊕	STQFP-64	2k x 18	15ns high spd, low volt FIFO synch.	16.59	16.24	16.08
242721CB	6264-55⊕	DIP-28	8k x 8	55ns (5V) CMOS async.	2.65	2.25	1.68
392294CB	CY6264-70SNC⊕	SOIC-28	8k x 8	70ns high performance CMOS	3.09	2.51	2.00
85121CB	6264LP-70⊕	DIP-28	8k x 8	70ns (64kB) LP CMOS	3.39	3.05	2.75
42884CB	6264LP-10♣	DIP-28	8k x 8	100ns (64kB) LP CMOS	2.75	2.49	2.25
42921CB	6264P-10♣	DIP-28	8k x 8	100ns (64kB) CMOS ~~$2.59~~	2.35	2.05	1.80
42892CB	6264LP-12♣	DIP-28	8k x 8	120ns (64kB) LP CMOS	2.79	2.49	2.19
42930CB	6264P-12♣	DIP-28	8k x 8	120ns (64kB) CMOS	2.65	2.39	2.15
114278CB	DS1225AB-150⊕	DIP-28	8k x 8	150ns, 4.62V WP ~~$17.29~~	15.99	12.65	9.89
114307CB	DS1225Y-200⊕	DIP-28	8k x 8	200ns, 4.25V WP	15.95	14.49	11.65
242350CB	7C185-20⊕	DIP-28	8k x 8	20ns 5V asynchronous	2.89	2.29	1.79
242341CB	CY7C185-25⊕	DIP-28	8k x 8	25ns (5V) CMOS async. ~~$2.89~~	2.59	2.05	1.60
242333CB	CY7C185-35⊕	DIP-28	8k x 8	35ns (5V) CMOS async.	3.29	2.63	1.99
242499CB	DS1230Y-70⊕	DIP-28	32k x 8	70ns nonvol. 4.5V WP	19.85	15.35	12.75
177113CB	DS1230Y-100⊕	DIP-28	32k x 8	100ns, 4.37V WP	15.75	14.60	11.75
114323CB	DS1230Y-150⊕	DIP-28	32k x 8	150ns, 4.37V WP	20.25	17.10	10.25
41970CB	43256-10L♣	DIP-28	32k x 8	100ns low-power NEC ~~$5.49~~	4.95	4.50	4.05
41988CB	43256-12L♣	DIP-28	32k x 8	120ns low-power NEC	4.99	4.49	4.09
242376CB	M5M5258P-35⊕	DIP-28	32k x 8	35ns 5V asynchronous	1.99	1.59	1.19
75037CB	UM61M256K-15	DIP-28	32k x 8	15ns hi speed CMOS (.3"W)	3.39	2.99	2.69
279865CB	62256S-12⊕	SOJ-28	32k x 8	120ns ~~$1.85~~	1.49	1.21	1.05
279857CB	62256S-15⊕	SOJ-28	32k x 8	150ns	1.49	1.27	.99
82472CB	62256LP-70⊕	DIP-28	32k x 8	70ns low-power CMOS ~~$5.49~~	4.95	4.50	4.05
391793CB	CY62256L-70PC⊕	DIP-28	32k x 8	70ns 5V CMOS	2.85	2.30	1.80
391814CB	CY62256L-70SNC⊕	SOIC-28	32k x 8	70ns 5V CMOS	2.55	2.05	1.65
391822CB	CY62256LL-70PC⊕	DIP-28	32k x 8	70ns 5V low-power CMOS	2.85	2.30	1.80
391890CB	CY62256LL-70SNC⊕	SOIC-28	32k x 8	70ns 5V low-power CMOS	2.85	2.30	1.80
392008CB	CY62256VLL-70SNC⊕	SOIC-28	32k x 8	70ns 3V low-power CMOS	2.39	1.94	1.52
391945CB	CY62256LL-70ZC⊕	TSSOP-28	32k x 8	70ns 5V low-power CMOS	2.85	2.30	1.80
391865CB	CY62256VLL-70ZC⊕	TSSOP-28	32k x 8	70ns 3V low-power CMOS	2.05	1.65	1.40
279814CB	62256S-70⊕	SOJ-28	32k x 8	70ns 5V CMOS	1.99	1.79	1.61
42876CB	62256LP-85⊕	DIP-28	32k x 8	85ns low-power CMOS	3.09	2.49	1.99
42833CB	62256LP-10♣	DIP-28	32k x 8	100ns low-power CMOS ~~$4.19~~	3.75	3.20	2.40
42850CB	62256LP-12♣	DIP-28	32k x 8	120ns low-power CMOS	3.89	3.49	3.19
391857CB	CY7C1399B-12VC⊕	SOJ-28	32k x 8	12ns 3.3V high perf. CMOS	1.55	1.50	1.48
279849CB	CY7C199-20V⊕	SOJ-28	32k x 8	20ns	1.99	1.79	1.61
279831CB	CY7C199-25V⊕	SOJ-28	32k x 8	25ns	1.65	1.39	1.05
279822CB	CY7C199-35V⊕	SOJ-28	32k x 8	35ns	1.40	1.15	1.05
392382CB	CY7C464A-15JC⊕	PLCC-32	32k x 9	15ns asynch. cascadable FIFO	27.09	26.82	26.55

♣ Pull = Extra Savings ✪ Blue Part No. = Limited Quantity Available

Static RAM (Continued)

DIP SOP/SOJ

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
392067CB	CY7C1021CV33-10ZC⊕	TSSOP-44	64k x 16	10ns 3.3V high perf. CMOS	$2.59	$2.10	$1.90
391873CB	CY7C1021CV33-12VC⊕	SOJ-44	64k x 16	12ns 3.3V high perf. CMOS	2.35	2.05	1.90
391929CB	CY7C1021BV33L-15ZC⊕	TSSOP-44	64k x 16	15ns 3.3V CMOS, low standby pwr	3.29	2.95	2.80
392411CB	CY7C1021CV33-15ZC⊕	TSSOP-44	64k x 16	15ns 3.3V high perf. CMOS	2.35	2.05	1.91
391831CB	CY62128BLL-70SC⊕	SOIC-32	128k x 8	70ns LP CMOS	2.45	2.05	1.85
391996CB	CY62128BLL-70ZC⊕	TSSOP-32	128k x 8	70ns high perf. CMOS	2.85	2.30	2.10
279873CB	628128S-70⊕	SOP-32	128k x 8	70ns	2.49	2.19	1.89
131810CB	628128LP-70⊕	DIP-32	128k x 8	70ns LP CMOS	8.99	7.39	6.69
103982CB	628128LP-85♣⊕	DIP-32	128k x 8	85ns LP CMOS	8.49	7.22	5.41
279911CB	CY7C109B-12V	SOJ-32	128k x 8	12ns	2.99	2.54	2.28
391902CB	CY7C1019CV33-12VC⊕	SOJ-32	128k x 8	12ns 3.3V high perf. CMOS	2.55	2.05	1.90
392251CB	CY7C1009B-15VC⊕	SOJ-32	128k x 8	15ns CMOS, 2 chip enables	3.55	2.86	2.25
280014CB	625616S-70⊕	SOP-44	256k x 16	70ns	7.39	6.28	4.71
392358CB	CY7C1041CV33-12ZC⊕	TSSOP-44	256k x 16	12ns 3.3V high perf. CMOS	4.35	4.00	3.70
280031CB	CY7C1041B-15V⊕	SOJ-44	256k x 16	15ns	8.09	7.09	6.99
392198CB	CY7C1041B-15ZC⊕	TSSOP-44	256k x 16	15ns high perf. CMOS	4.69	4.59	4.49
157358CB	628512LP-70⊕	DIP-32	512k x 8	70ns LP CMOS	18.99	16.99	16.19
280049CB	628512S-70⊕	SOP-32	512k x 8	70ns	3.45	3.25	3.05
280065CB	CY7C1049B-20V⊕	SOJ-36	512k x 8	20ns ~~$9.99~~	9.39	8.56	7.79

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PALs and GALs

DIP PLCC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
27748CB	N82S100	DIP-28	16 x 48 x 8 field-prog. logic array, 3-st.	$14.95	$13.49	$12.15
28020CB	PAL16L8	DIP-20	Octal 16-input AND-OR-INVERT gate array	2.25	1.75	1.66
88399CB	16V8-10*⊕	DIP-20	10ns 64 x 32 AND array	2.59	2.35	2.10
37452CB	16V8-15*⊕	DIP-20	15ns 64 x 32 AND array	1.39	1.25	1.12
37461CB	16V8-25*	DIP-20	25ns 64 x 32 AND array	1.25	1.09	.99
88292CB	20V8-10**⊕	DIP-24	10ns 64 x 40 AND array	1.85	1.60	1.43
38658CB	20V8-15**⊕	DIP-24	15ns 64 x 40 AND array	1.55	1.25	1.15
38666CB	20V8-25**	DIP-24	25ns 64 x 40 AND array	1.69	1.49	1.39
235352CB	20VP8-25LJ	PLCC-28	25ns 64 x 40 AND array ~~$3.59~~	3.25	2.75	2.05
123801CB	22V10-10⊕	DIP-24	10ns 132 x 44 AND array	5.49	4.99	4.49
39159CB	22V10-15⊕	DIP-24	15ns 132 x 44 AND array	4.49	3.95	3.55
39167CB	22V10-25	DIP-24	25ns 132 x 44 AND array	3.99	3.49	3.09

GALs are electrically erasable PLDs that can be used in place of numerous PALs

* Replaces PALs: 10H8, 10L8, 10P8, 12H6, 12L6, 12P6, 14H4, 14L4, 14P4, 16H2, 16H8, 16L2, 16L8, 16P2, 16P8, 16R4, 16R6, 16R8, 16RP4, 16RP6,16RP8

** Replaces PALs: 14H8, 14L8, 14P8, 16H6, 16L6, 16P6, 18H4, 18L4, 18P4, 20H2, 20H8, 20L2, 20L8, 20P2, 20P8, 20R4, 20R6, 20R8, 20RP4, 20RP6, 20RP8

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276630CB	EEPROM, AT25160-10PI, SOIC	$0.37	$0.54	$0.45	$0.52	$0.08	17.8%
394644CB	OTP, AT27BV1024-12JI, PLCC	$3.99	$5.05	$4.80	Not offered	$0.81	16.9%
88292CB	GAL, 20V8-10, DIP	$1.85	$3.23	$4.15	Not offered	$1.38	42.7%
315184CB	PEEL, 22CV10AJ-10, PLCC	$2.05	Not offered	$4.17	$11.11	$2.12	50.8%
392008CB	SRAM, CY62256VLL-70SNC, SOIC	$2.39	$2.45	Not offered	$3.36	$0.06	2.4%
392243CB	SRAM, CY7C131-55JC, PLCC	$5.75	$6.90	Not offered	$12.84	$1.15	16.7%
391857CB	SRAM, CY7C1399B-12VC, SOJ	$1.55	$1.80	Not offered	$4.46	$0.25	13.9%

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Anachip PEEL™ PLDs

DIP PLCC SOIC TSSOP

Programmable Electrically Erasable Logic (PEEL*) devices from Anachip are drop-in replacements for Cypress, Atmel, Altera, Lattice and National PLDs, PALs and GALs*. PEELs offer the convenience of simple and complex logic reprogrammability.

† I = Industrial Temp range: -40˚C to +85˚C; C = Commercial Temp. range: 0 to +70˚C

Part No.	Product No.*	Pkg.	Speed	Icc	Inputs	I/O	Vcc	Temp.†	1	10	100
312987CB	16CV8J-25⊕	PLCC-20	25ns	12mA	10	8	5	C	$1.19	$1.07	$.99
312995CB	16CV8P-25⊕	DIP-20	25ns	12mA	10	8	5	C	1.19	.82	.74
313007CB	16CV8S-25⊕	SOIC-20	25ns	12mA	10	8	5	C	1.59	1.08	.97
314675CB	18CV8J-10⊕	PLCC-20	10ns	10mA	10	8	5	C	2.75	1.85	1.65
313761CB	18CV8J-15⊕	PLCC-20	15ns	10mA	10	8	5	C	1.99	1.69	1.49
313795CB	18CV8JI-15⊕	PLCC-20	15ns	10mA	10	8	5	I	2.99	1.99	1.82
313066CB	18CV8JI-25⊕	PLCC-20	25ns	10mA	10	8	5	I	2.49	1.69	1.55
314801CB	18CV8P-7⊕	DIP-20	7ns	42mA	10	8	5	C	3.05	2.05	1.85
314721CB	18CV8P-10⊕	DIP-20	10ns	42mA	10	8	5	C	2.69	1.79	1.65
314739CB	18CV8PI-10⊕	DIP-20	10ns	42mA	10	8	5	I	3.19	2.15	1.95
314659CB	18CV8P-15L⊕	DIP-20	15ns	25mA	10	8	5	C	1.85	1.59	1.45
105953CB	18CV8P-25⊕	DIP-20	25ns	25mA	10	8	5	C	2.25	1.91	1.43
313074CB	18CV8PI-25L♻	DIP-20	25ns	10mA	10	8	5	I	1.89	1.59	1.40
314747CB	18CV8S-10⊕	SOIC-20	10ns	42mA	10	8	5	C	2.55	1.71	1.69
314748CB	18CV8S-10L♻	SOIC-20	10ns	42mA	10	8	5.25	C	2.55	1.71	1.69
314077CB	18CV8S-15L♻	SOIC-20	15ns	25mA	10	8	5	C	2.55	1.69	1.55
313242CB	18CV8S-25⊕	SOIC-20	25ns	10mA	10	8	5	C	2.15	1.45	1.29
313251CB	18CV8SI-25⊕	SOIC-20	25ns	10mA	10	8	5	I	2.59	1.69	1.55
313349CB	18CV8T-25L♻	TSSOP-20	25ns	10mA	10	8	5	C	2.45	1.65	1.49
313365CB	18CV8ZJ-25⊕	PLCC-20	25ns	10uA	10	8	5	C	3.79	2.55	2.29
313373CB	18CV8ZJI-25⊕	PLCC-20	25ns	10uA	10	8	5	I	4.59	3.09	2.79
313381CB	18CV8ZP-25L♻	DIP-20	25ns	10uA	10	8	5	C	3.65	2.45	2.19
313509CB	18CV8ZPI-25⊕	DIP-20	25ns	10uA	10	8	5	I	4.39	2.95	2.59
313525CB	18CV8ZS-25⊕	SOIC-20	25ns	10uA	10	8	5	C	3.75	2.49	2.29
313699CB	18LV8ZJ-25⊕	PLCC-20	25ns	5uA	10	8	3	C	4.19	2.84	2.55
313701CB	18LV8ZP-25⊕	DIP-20	25ns	5uA	10	8	3	C	3.99	2.69	2.39
313752CB	18LV8ZT-25⊕	TSSOP-20	25ns	5uA	10	8	3	C	4.35	2.95	2.65
313015CB	18LV8ZJI-35⊕	PLCC-20	35ns	5uA	10	8	3	I	4.99	3.39	3.05
313023CB	18LV8ZPI-35⊕	DIP-20	35ns	5uA	10	8	3	I	$4.79	$3.19	$2.89
313031CB	18LV8ZSI-35⊕	SOIC-20	35ns	5uA	10	8	3	I	4.89	3.29	2.99
313040CB	18LV8ZTI-35⊕	TSSOP-20	35ns	5uA	10	8	3	I	5.19	3.49	3.15
315336CB	22CV10AJ-7⊕	PLCC-28	7ns	50mA	12	10	5	C	4.45	3.35	2.55
315184CB	22CV10AJ-10⊕	PLCC-28	10ns	50mA	12	10	5	C	2.05	1.79	1.78
315109CB	22CV10AJ-15⊕	PLCC-28	15ns	35mA	12	10	5	C	3.45	2.59	1.99
314860CB	22CV10AJ-25⊕	PLCC-28	25ns	18mA	12	10	5	C	3.35	2.49	1.89
315361CB	22CV10AP-7⊕	DIP-24	7ns	50mA	12	10	5	C	4.29	3.19	2.45
315205CB	22CV10AP-10L♻	DIP-24	10ns	50mA	12	10	5	C	2.85	2.45	2.09
315125CB	22CV10AP-15L♻	DIP-24	15ns	35mA	12	10	5	C	3.39	2.55	1.95
105996CB	22CV10AP-25⊕	DIP-24	25ns	5uA	12	10	5	C	2.59	2.35	2.05
314886CB	22CV10API-25⊕	DIP-24	25ns	18mA	12	10	5	I	2.85	2.45	1.99
314931CB	22CV10AZJ-25⊕	PLCC-28	25ns	10uA	12	10	5	C	3.75	2.85	2.39
314940CB	22CV10AZJI-25⊕	PLCC-28	25ns	10uA	12	10	5	I	6.85	5.19	3.95
314958CB	22CV10AZP-25⊕	DIP-24	25ns	10uA	12	10	5	C	5.35	3.89	3.09
314991CB	22CV10AZT-25⊕	TSSOP-24	25ns	10uA	12	10	5	C	5.79	4.39	3.35
315002CB	22CV10AZTI-25⊕	TSSOP-24	25ns	10uA	12	10	5	I	6.95	5.29	4.05
315011CB	22LV10AZJ-25⊕	PLCC-28	25ns	5uA	12	10	3	C	6.15	4.65	3.55
315029CB	22LV10AZP-25⊕	DIP-24	25ns	5uA	12	10	3	C	5.89	4.45	3.39
315045CB	22LV10AZT-25⊕	TSSOP-24	25ns	5uA	12	10	3	C	6.29	4.79	3.65
316857CB	PA7540P-15⊕	DIP-24	15ns	55mA	2	20	5	C	8.09	6.09	4.69
316902CB	PA7540J-15✪	PLCC-28	15ns	55mA	2	20	5	C	8.25	6.19	4.75
316903CB	PA7540J-15L♻	PLCC-28	15ns	55mA	2	20	5	C	8.25	6.19	4.75
317032CB	PA7536J-15⊕	PLCC-28	15ns	45mA	14	12	5	C	7.29	5.49	4.19
317075CB	PA7572P-20⊕	DIP-40	20ns	50mA	14	24	5	C	8.99	6.79	5.19
317104CB	PA7572J-20⊕	PLCC-44	20ns	50mA	14	24	5	C	8.99	6.79	5.19

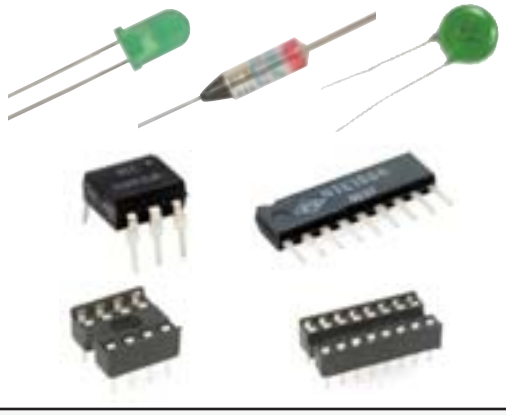
* For cross reference list, please go to our website at www.Jameco.com and simply enter any of the above part numbers in our search engine. ✪ Blue Part No. = Limited Quantity Available

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

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74AC(T)XXX Advanced CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	ST Micro	Philips	Toshiba
AC(T)	DIP	SN74AC(T)XXXN	74AC(T)XXXN	74AC(T)XXXPC	MC74AC(T)XXXN	74AC(T)XXXB	74AC(T)XXXN	TC74AC(T)XXXP
	DIP	CD74AC(T)XXXE	74AC(T)XXXN	74AC(T)XXXPC	MC74AC(T)XXXN	74AC(T)XXXB	74AC(T)XXXN	TC74AC(T)XXXP
	SOIC	SN74AC(T)XXXD/DW	74AC(T)XXXM	74AC(T)XXXSC	MC74AC(T)XXXD/DW	74AC(T)XXXM	74AC(T)XXXD	TC74AC(T)XXXFN/FW
	SOIC	CD74AC(T)XXXM	74AC(T)XXXM	74AC(T)XXXSC	MC74AC(T)XXXD/DW	74AC(T)XXXM	74AC(T)XXXD	TC74AC(T)XXXFN/FW

74AC Series – AC family offers CMOS inputs with CMOS outputs

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
				TEXAS INSTRUMENTS	– Save 6-20%		
74AC00	SOIC-14	Quad 2-input NAND gates	263880CB	SN74AC00D⊕	✳	$.16	$.156
74AC00	DIP-14	Quad 2-input NAND gates	256858CB	SN74AC00N⊕	.28	.26	.204
74AC02	SOIC-14	Quad 2-input NOR gates	264090CB	SN74AC02M⊕	.26	.23	.17
74AC02	DIP-14	Quad 2-input NOR gates	256891CB	CD74AC02E⊕	.22	.182	.166
74AC04	SOIC-14	Hex inverters	264111CB	SN74AC04D⊕	✳	.17	.15
74AC04	DIP-14	Hex inverters	256903CB	SN74AC04N⊕	.31	.265	.185
74AC08	SOIC-14	Quad 2-input AND gates	264137CB	SN74AC08D⊕	.26	.23	.18
74AC08	DIP-14	Quad 2-input AND gates	256911CB	SN74AC08N⊕	.28	.268	.196
74AC10	SOIC-14	Triple 3-input NAND gates	264153CB	SN74AC10D⊕	.26	.23	.175
74AC10	DIP-14	Triple 3-input NAND gates	256920CB	SN74AC10N⊕	~~$.41~~ .27	.227	.171
74AC11	SOIC-14	Triple 3-input AND gates	264170CB	SN74AC11D⊕	.32	.26	.18
74AC11	DIP-14	Triple 3-input AND gates	256938CB	SN74AC11N⊕	.40	.335	.252
74AC14	SOIC-14	Hex inverters with Schmitt trigger input	264209CB	SN74AC14D⊕	.20	.17	.15
74AC14	DIP-14	Hex inverters with Schmitt trigger input	261366CB	SN74AC14N⊕	.23	.21	.20
74AC20	SOIC-14	4-input NAND gate	264233CB	CD74AC20M⊕	.26	.23	.18
74AC20	DIP-14	4-input NAND gate	261382CB	CD74AC20N⊕	~~$.39~~ .27	.231	.181
74AC32	SOIC-14	Quad 2-input OR gates	264268CB	SN74AC32D⊕	.26	.23	.18
74AC32	DIP-14	Quad 2-input OR gates	261391CB	SN74AC32N⊕	.25	.219	.194
74AC74	SOIC-14	Dual D-type pos. edge-triggered flip-flops	264284CB	SN74AC74D⊕	.31	.26	.193
74AC74	DIP-14	Dual D-type pos. edge-triggered flip-flops	261403CB	SN74AC74N⊕	.40	.34	.24
74AC86	SOIC-14	Quad 2-input exclusive OR gates	264305CB	SN74AC86D⊕	.20	.17	.14
74AC86	DIP-14	Quad 2-input exclusive OR gates	261454CB	SN74AC86N⊕	.37	.313	.273
74AC109	SOIC-16	Dual JK positive edge triggered flip-flops					
74AC109	DIP-16	Dual JK positive edge triggered flip-flops	261462CB	CD74AC109E⊕	~~$.47~~ .37	.313	.235
74AC125	SOIC-16	Quad buffers with 3-state outputs					
74AC125	DIP-14	Quad buffers with 3-state outputs					
74AC138	SOIC-16	1 of 8 decoder/demultiplexer	264364CB	CD74AC138M⊕	.41	.34	.23
74AC138	DIP-16	1 of 8 decoder/demultiplexer	261471CB	CD74AC138E⊕	.36	.308	.231
74AC139	SOIC-16	Dual 1 of 4 decoder/demultiplexer	264508CB	CD74AC139M⊕	.56	.43	.32
74AC139	DIP-16	Dual 1 of 4 decoder/demultiplexer	261500CB	CD74AC139E⊕	~~$.49~~ .38	.324	.243
74AC151	SOIC-16	Quad buffers with 3-state outputs					
74AC151	DIP-16	Quad buffers with 3-state outputs	261526CB	CD74AC151E⊕	~~$.46~~ .38	.324	.243
74AC153	SOIC-16	Dual 4-input multiplexers	264532CB	CD74AC153M⊕	.42	.36	.26
74AC153	DIP-16	Dual 4-input multiplexers	261534CB	CD74AC153E⊕	~~$.49~~ .38	.324	.243
74AC157	SOIC-16	Quad 2-input multiplexers	264559CB	CD74AC157M⊕	.41	.38	.34
74AC157	DIP-16	Quad 2-input multiplexers	261542CB	CD74AC157E⊕	.47	.36	.27
74AC161	SOIC-16	Synchronous presettable binary counter	264575CB	CD74AC161M⊕	.24	.229	.185
74AC161	DIP-16	Synchronous presettable binary counter	261551CB	CD74AC161E⊕	.42	.356	.288
74AC163	SOIC-16	Binary counter	264591CB	CD74AC163M⊕	.49	.41	.36
74AC163	DIP-16	Binary counter	261585CB	CD74AC163E⊕	.42	.356	.292
74AC169	SOIC-16	4-stage synchronous bidirectional counter					
74AC169	DIP-16	4-stage synchronous bidirectional counter					
74AC174	SOIC-16	Hex D-type flip-flops w/ master reset	264858CB	CD74AC174M⊕	.42	.356	.268
74AC174	DIP-16	Hex D-type flip-flops w/ master reset	261593CB	CD74AC174E⊕	~~$.50~~ .42	.356	.268
74AC175	SOIC-16	Quad D-type flip-flops	264874CB	CD74AC175M⊕	.42	.356	.268
74AC175	DIP-16	Quad D-type flip-flops					
74AC191	SOIC-16	Up/down counter w/ preset & ripple clock					
74AC191	DIP-16	Up/down counter w/ preset & ripple clock					
74AC240	SOIC-20	Octal invert. buffer/line drivers w/ 3-state outputs	264971CB	SN74AC240DW⊕	.45	.36	.28
74AC240	DIP-20	Octal invert. buffer/line drivers w/ 3-state outputs	261614CB	SN74AC240N⊕	.32	.264	.239
74AC241	SOIC-20	Octal buffer/line drivers w/ 3-state outputs	265543CB	SN74AC241DW⊕	.45	.36	.28

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263871CB	74AC00M⊕	✳	$.15	$.14
211801CB	74AC00N⊕	.24	.216	.185
264081CB	74AC02M⊕	.24	.21	.157
211810CB	74AC02N⊕	.20	.166	.125
264102CB	74AC04M⊕	✳	.16	.13
211828CB	74AC04N⊕	.28	.241	.168
264129CB	74AC08M⊕	.24	.21	.157
211836CB	74AC08N⊕	.25	.244	.176
264145CB	74AC10M⊕	.24	.21	.157
238887CB	74AC10N⊕	~~$.31~~ .25	.21	.158
264161CB	74AC11M⊕	.30	.23	.17
238895CB	74AC11N⊕	.37	.31	.233
264196CB	74AC14M⊕	✳	.149	.13
211844CB	74AC14N⊕	.21	.18	.135
264225CB	74AC20M⊕	.24	.21	.157
238836CB	74AC20N⊕	~~$.35~~ .25	.214	.168
264241CB	74AC32M⊕	.24	.21	.16
211852CB	74AC32N⊕	.23	.199	.176
264276CB	74AC74M⊕	.28	.24	.17
211861CB	74AC74N⊕	.37	.30	.221
264292CB	74AC86M⊕	✳	.149	.13
211879CB	74AC86N⊕	.34	.299	.253
264313CB	74AC109M⊕	.45	.39	.29
238908CB	74AC109N⊕	~~$.43~~ .34	.29	.218
264321CB	74AC125M⊕	.48	.36	.27
238916CB	74AC125N⊕	~~$.38~~ .33	.281	.211
264348CB	74AC138M⊕	.38	.31	.21
211887CB	74AC138N⊕	.33	.28	.21
264495CB	74AC139M⊕	.51	.39	.29
238730CB	74AC139N⊕	~~$.44~~ .35	.30	.225
264516CB	74AC151M⊕	.39	.32	.24
238748CB	74AC151N⊕	~~$.42~~ .35	.30	.225
264524CB	74AC153M⊕	.39	.32	.24
238756CB	74AC153N⊕	~~$.44~~ .35	.30	.225
264541CB	74AC157M⊕	.38	.32	.24
238764CB	74AC157N⊕	.43	.32	.24
264567CB	74AC161M⊕	.22	.208	.168
238772CB	74AC161N⊕	.38	.324	.262
264583CB	74AC163M⊕	.44	.37	.27
238781CB	74AC163N⊕	~~$.46~~ .39	.33	.248
265818CB	74AC169M⊕	.68	.57	.47
238799CB	74AC169N⊕	.93	.84	.77
264840CB	74AC174M⊕	.42	.32	.24
238801CB	74AC174N⊕	~~$.46~~ .39	.33	.248
264866CB	74AC175M⊕	~~$.42~~ .29	.251	.203
238810CB	74AC175N⊕	~~$.51~~ .39	.33	.248
264903CB	74AC191M⊕	1.15	.98	.80
238828CB	74AC191N⊕	~~$.89~~ .74	.67	.61
264938CB	74AC240M⊕	.41	.33	.25
211895CB	74AC240N⊕	.30	.241	.218
265535CB	74AC241M⊕	.41	.33	.25

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

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74AC & 74ACT Standard Logic (Continued)

RoHS Compliant Product
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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
				Texas Instruments – Save 6-20%			
74AC241	DIP-20	Two 4-bit buffer/line drivers w/ 3-state outputs	261729CB	SN74AC241N⊕	~~$.45~~ $.42	$.356	$.268
74AC244	SOIC-20	Octal buffer/line driv. w/ 3-state outputs	265560CB	SN74AC244DW⊕	.45	.36	.28
74AC244	DIP-20	Octal buffer/line driv. w/ 3-state outputs	261796CB	SN74AC244N⊕	~~$.36~~ .23	.194	.14
74AC245	SOIC-20	Octal bidirectional trans. w/ 3-state I/O	265594CB	SN74AC245DW⊕	.45	.36	.28
74AC245	DIP-20	Octal bidirectional trans. w/ 3-state I/O	261817CB	SN74AC245N⊕	.40	.35	.33
74AC251	SOIC-16	8-input multiplexer w/ 3-state output	265615CB	CD74AC251M⊕	.54	.47	.39
74AC251	DIP-16	8-input multiplexer w/ 3-state output					
74AC253	SOIC-16	Dual 4-input multiplexer w/ 3-state outputs	265640CB	CD74AC253M⊕	.49	.37	.28
74AC253	DIP-16	Dual 4-input multiplexer w/ 3-state outputs					
74AC257	SOIC-16	Quad 2-input multiplexer	265666CB	CD74AC257M⊕	.41	.37	.28
74AC257	DIP-16	Quad 2-input multiplexer	261956CB	CD74AC257E⊕	.41	.38	.36
74AC273	SOIC-20	Octal D-type flip-flop	265682CB	CD74AC273M⊕	.56	.53	.46
74AC273	DIP-20	Octal D-type flip-flop	261964CB	CD74AC273E⊕	~~$.44~~ .39	.335	.252
74AC299	SOIC-20	8-input univ. shift/storage reg. w/com. parallel I/O pins					
74AC299	DIP-20	8-input univ. shift/storage reg. w/com. parallel I/O pins					
74AC373	SOIC-20	Octal transparent latch w/ 3-state outputs	265703CB	SN74AC373DW⊕	.56	.52	.49
74AC373	DIP-20	Octal transparent latch w/ 3-state outputs	261981CB	SN74AC373N⊕	~~$.54~~ .39	.335	.252
74AC374	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	265720CB	SN74AC374DW⊕	.30	.29	.27
74AC374	DIP-20	Octal D-type flip-flop w/ 3-state outputs	262035CB	SN74AC374N⊕	~~$.65~~ .35	.292	.225
74AC377	SOIC-20	Octal D-type flip flop w/ clock enable					
74AC377	DIP-20	Octal D-type flip flop w/ clock enable					
74AC399	DIP-16	Quad 2-port register					
74AC521	SOIC-20	8-bit identity comparator					
74AC521	DIP-20	8-bit identity comparator					
74AC540	SOIC-20	Octal buffer/line driver w/ 3-state outputs	265746CB	CD74AC540M⊕	.83	.74	.60
74AC540	DIP-20	Octal buffer/line driver w/ 3-state outputs					
74AC541	SOIC-20	Octal buffer/line driver w/ 3-st. NOR gate enabled	265762CB	CD74AC541M⊕	.83	.74	.59
74AC541	DIP-20	Octal buffer/line driver w/ 3-st. NOR gate enabled	262051CB	CD74AC541E⊕	~~$.83~~ .44	.378	.284
74AC573	SOIC-20	Octal latch w/ 3-state outputs	265789CB	SN74AC573DW⊕	.45	.36	.28
74AC573	DIP-20	Octal latch w/ 3-state outputs	262086CB	SN74AC573N⊕	.48	.40	.302
74AC574	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	265800CB	SN74AC574DW⊕	.45	.36	.28
74AC574	DIP-20	Octal D-type flip-flop w/ 3-state outputs	262094CB	SN74AC574N⊕	~~$.63~~ .35	.292	.225

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Part No.	Cross Ref.	1	10	100
238844CB	74AC241N⊕	$.39	$.33	$.248
265551CB	74AC244M⊕	.41	.33	.25
211908CB	74AC244N⊕	~~$.33~~ .21	.18	.13
265586CB	74AC245M⊕	.41	.33	.25
211916CB	74AC245N⊕	.33	.28	.21
265607CB	74AC251M⊕	.49	.43	.35
238852CB	74AC251N⊕	~~$.44~~ .35	.30	.225
265623CB	74AC253M⊕	.44	.34	.25
238861CB	74AC253N⊕	~~$.42~~ .33	.28	.21
265658CB	74AC257M⊕	.38	.32	.25
238879CB	74AC257N⊕	.38	.32	.24
265674CB	74AC273M⊕	.51	.48	.45
211924CB	74AC273N⊕	~~$.40~~ .36	.31	.233
265826CB	74AC299M⊕	1.79	1.45	1.09
238924CB	74AC299N⊕	~~$1.35~~ .69	.62	.56
265691CB	74AC373M⊕	.51	.48	.45
211932CB	74AC373N⊕	~~$.40~~ .36	.31	.233
265711CB	74AC374M⊕	.30	.29	.25
211941CB	74AC374N⊕	~~$.51~~ .32	.27	.203
265851CB	74AC377M⊕	.66	.61	.54
242763CB	74AC377N⊕	~~$.54~~ .30	.267	.24
238941CB	74AC399N⊕	~~$1.85~~ 1.69	1.50	1.35
265869CB	74AC521M⊕	.69	.62	.56
238959CB	74AC521N⊕	~~$.71~~ .44	.37	.28
265738CB	74AC540M⊕	.75	.67	.55
238967CB	74AC540N⊕	~~$.54~~ .44	.37	.278
265754CB	74AC541M⊕	.75	.67	.55
238975CB	74AC541N⊕	~~$.59~~ .41	.35	.263
265771CB	74AC573M⊕	.41	.33	.25
238983CB	74AC573N⊕	.44	.37	.28
265797CB	74AC574M⊕	.41	.33	.25
238991CB	74AC574N⊕	~~$.57~~ .32	.27	.203

74ACT Series – ACT family offers TTL inputs with CMOS outputs

DIP SOIC

Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
				Texas Instruments – Save 6-20%			
74ACT00	SOIC-14	Quad 2-input NAND gate	265885CB	SN74ACT00D⊕	$.20	$.19	$.16
74ACT00	DIP-14	Quad 2-input NAND gate	262326CB	SN74ACT00N⊕	.28	.24	.20
74ACT02	SOIC-14	Quad 2-input NOR gate	265922CB	CD74ACT02M⊕	.22	.20	.16
74ACT02	DIP-14	Quad 2-input NOR gate	262334CB	CD74ACT02E⊕	.29	.248	.187
74ACT04	SOIC-14	Hex inverter	265949CB	SN74ACT04D⊕	.22	.20	.16
74ACT04	DIP-14	Hex inverter	262342CB	SN74ACT04N⊕	.28	.22	.18
74ACT08	SOIC-14	Quad 2-input AND gate	266141CB	SN74ACT08D⊕	.20	.178	.15
74ACT08	DIP-14	Quad 2-input AND gate	262351CB	SN74ACT08N⊕	.39	.313	.222
74ACT10	SOIC-14	Triple 3-input NAND gate	266271CB	SN74ACT10D⊕	.29	.26	.20
74ACT10	DIP-14	Triple 3-input NAND gate	262369CB	SN74ACT10N⊕	.22	.20	.16
74ACT14	SOIC-14	Hex inverter with Schmitt trigger input	266301CB	SN74ACT14D⊕	.22	.18	.16
74ACT14	DIP-14	Hex inverter with Schmitt trigger input	262377CB	SN74ACT14N⊕	.28	.238	.178
74ACT32	SOIC-14	Quad 2-input OR gate	266378CB	SN74ACT32D⊕	.22	.20	.16
74ACT32	DIP-14	Quad 2-input OR gate	262465CB	SN74ACT32N⊕	~~$.36~~ .27	.227	.171
74ACT74	SOIC-14	Dual D-type pos. edge-triggered flip-flop	266431CB	SN74ACT74D⊕	.30	.26	.19
74ACT74	DIP-14	Dual D-type pos. edge-triggered flip-flop	262473CB	SN74ACT74N⊕	.28	.24	.20
74ACT86	SOIC-14	Quad 2-input exclusive OR gate	266458CB	SN74ACT86D⊕	.31	.29	.20
74ACT86	DIP-14	Quad 2-input exclusive OR gate	262481CB	SN74ACT86N⊕	.22	.20	.16
74ACT125	SOIC-14	Quad buffer with 3-state outputs					
74ACT125	DIP-14	Quad buffer with 3-state outputs					

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Part No.	Cross Ref.	1	10	100
265877CB	74ACT00M⊕	✳	$.17	$.14
211959CB	74ACT00N⊕	.25	.21	.156
265914CB	74ACT02M⊕	.20	.18	.14
211967CB	74ACT02N⊕	~~$.37~~ .27	.23	.173
265957CB	74ACT04M⊕	.20	.18	.14
211975CB	74ACT04N⊕	.25	.199	.149
266159CB	74ACT08M⊕	✳	.17	.13
211983CB	74ACT08N⊕	~~$.36~~ .20	.17	.128
266263CB	74ACT10M⊕	.26	.23	.19
239046CB	74ACT10N⊕	.20	.17	.13
266298CB	74ACT14M⊕	.20	.18	.14
211991CB	74ACT14N⊕	.26	.22	.165
266360CB	74ACT32M⊕	.20	.18	.14
212003CB	74ACT32N⊕	~~$.33~~ .25	.21	.158
266423CB	74ACT74M⊕	.27	.23	.176
212011CB	74ACT74N⊕	.25	.21	.158
266440CB	74ACT86M⊕	.28	.27	.19
212020CB	74ACT86N⊕	.25	.24	.18
266466CB	74ACT125M⊕	.86	.73	.59
239003CB	74ACT125N⊕	.32	.27	.20

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

74ACT Series (Continued) – ACT family offers TTL inputs with CMOS outputs

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
				TEXAS INSTRUMENTS – Save 6-20%			
74ACT138	SOIC-16	1 of 8 decoder/demultiplexer	266482CB	CD74ACT138M⊕	$.35	$.32	$.24
74ACT138	DIP-16	1 of 8 decoder/demultiplexer	262490CB	CD74ACT138E⊕	~~$.35~~ .27	.227	.171
74ACT139	SOIC-16	Dual 1 of 4 decoder/demultiplexer	266503CB	CD74ACT139M⊕	.41	.33	.25
74ACT139	DIP-16	Dual 1 of 4 decoder/demultiplexer	262502CB	CD74ACT139E⊕	.55	.432	.324
74ACT151	SOIC-16	8-input multiplexer					
74ACT151	DIP-16	8-input multiplexer					
74ACT157	SOIC-16	Quad 2-input multiplexer	266538CB	CD74ACT157M⊕	.32	.28	.25
74ACT157	DIP-16	Quad 2-input multiplexer	262529CB	CD74ACT157E⊕	~~$.47~~ .23	.225	.215
74ACT161	SOIC-16	Synchronous binary counter	266554CB	CD74ACT161M⊕	.69	.63	.51
74ACT161	DIP-16	Synchronous binary counter	262676CB	CD74ACT161E⊕	.43	.35	.29
74ACT163	SOIC-16	Synchronous presettable binary counter	266571CB	CD74ACT163M⊕	.43	.32	.25
74ACT163	DIP-16	Synchronous presettable binary counter	262684CB	CD74ACT163E⊕	.54	.41	.31
74ACT174	SOIC-16	HEX D-type flip-flop with master reset	266634CB	CD74ACT174M⊕	.41	.38	.36
74ACT174	DIP-16	HEX D-type flip-flop with master reset	262692CB	CD74ACT174E⊕	~~$.53~~ .41	.346	.259
74ACT175	SOIC-16	Quad D-type flip-flop	266685CB	CD74ACT175M⊕	.60	.54	.43
74ACT175	DIP-16	Quad D-type flip-flop	262799CB	CD74ACT175E⊕	.60	.54	.43
74ACT240	SOIC-20	Octal buffer/line driver w/ 3-state outputs	266749CB	CD74ACT240DW⊕	.50	.41	.31
74ACT240	DIP-20	Octal buffer/line driver w/ 3-state outputs	262828CB	CD74ACT240N⊕	.32	.28	.24
74ACT241	SOIC-20	Octal buffer/line driver w/ 3-state outputs	266773CB	SN74ACT241DW⊕	.45	.36	.28
74ACT241	DIP-20	Octal buffer/line driver w/ 3-state outputs	263038CB	SN74ACT241N⊕	.45	.36	.28
74ACT244	SOIC-20	Octal buffer/line driver w/ 3-state outputs	266909CB	SN74ACT244DW⊕	.35	.30	.26
74ACT244	DIP-20	Octal buffer/line driver w/ 3-state outputs	263046CB	SN74ACT244N⊕	.55	.464	.346
74ACT245	SOIC-20	Octal bidirectional trans. w/ 3-state I/O	266925CB	SN74ACT245DW⊕	.44	.36	.28
74ACT245	DIP-20	Octal bidirectional trans. w/ 3-state I/O	263062CB	SN74ACT245N⊕	.41	.37	.35
74ACT251	SOIC-16	8-input multiplexer					
74ACT251	DIP-16	8-input multiplexer					
74ACT257	SOIC-16	Quad 2-input multiplexer w/ 3-st. L. outputs	266968CB	CD74ACT257M⊕	.31	.259	.21
74ACT257	DIP-16	Quad 2-input multiplexer w/ 3-st. L. outputs	263097CB	CD74ACT257E⊕	.40	.31	.27
74ACT273	SOIC-20	Octal D-type flip-flop w/ reset	266984CB	CD74ACT273M⊕	.50	.41	.31
74ACT273	DIP-20	Octal D-type flip-flop w/ reset	263100CB	CD74ACT273E⊕	.41	.36	.28
74ACT373	SOIC-20	Octal transparent latch w/ 3-state outputs	267004CB	SN74ACT373DW⊕	.44	.36	.28
74ACT373	DIP-20	Octal transparent latch w/ 3-state outputs	263177CB	SN74ACT373N⊕	.54	.443	.333
74ACT374	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	267021CB	SN74ACT374DW⊕	.45	.36	.28
74ACT374	DIP-20	Octal D-type flip-flop w/ 3-state outputs	263193CB	SN74ACT374N⊕	~~$.44~~ .39	.335	.248
74ACT521	SOIC-20	8-bit identity comparator					
74ACT521	DIP-20	8-bit identity comparator					
74ACT533	SOIC-20	Octal transparent latch w/ 3-state H. outputs	267080CB	SN74ACT533DW⊕	.49	.37	.28
74ACT533	DIP-20	Octal transparent latch w/ 3-state H. outputs	263425CB	SN74ACT533N⊕	.57	.52	.39
74ACT541	SOIC-20	Octal buffer/line driver w/ 3-state outputs	267178CB	CD74ACT541M⊕	.43	.38	.30
74ACT541	DIP-20	Octal buffer/line driver w/ 3-state outputs	263441CB	CD74ACT541E⊕	.49	.367	.281
74ACT573	SOIC-20	Octal latch with 3-state outputs	267282CB	SN74ACT573DW⊕	.45	.36	.27
74ACT573	DIP-20	Octal latch with 3-state outputs	263468CB	SN74ACT573⊕	.63	.59	.55
74ACT574	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	267346CB	SN74ACT574DW⊕	.45	.36	.28
74ACT574	DIP-20	Octal D-type flip-flop w/ 3-state outputs	263476CB	SN74ACT574N⊕	~~$.63~~ .57	.486	.365
74ACT715	SOIC-20	Programmable video sync. generator					
74ACT715	DIP-20	Programmable video sync. generator					

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Part No.	Cross Ref.	1	10	100
266474CB	74ACT138M⊕	$.32	$.29	$.22
212038CB	74ACT138N⊕	.25	.21	.158
266491CB	74ACT139M⊕	.37	.30	.23
239011CB	74ACT139N⊕	.51	.40	.30
266511CB	74ACT151M⊕	.39	.30	.23
239020CB	74ACT151N⊕	.48	.41	.31
266520CB	74ACT157M⊕	.30	.27	.23
239038CB	74ACT157N⊕	~~$.44~~ .21	.18	.135
266546CB	74ACT161M⊕	.63	.57	.48
239071CB	74ACT161N⊕	.39	.33	.25
266562CB	74ACT163M⊕	.39	.30	.23
239062CB	74ACT163N⊕	.49	.42	.31
266600CB	74ACT174M⊕	.38	.35	.33
239054CB	74ACT174N⊕	~~$.48~~ .38	.32	.24
266677CB	74ACT175M⊕	.55	.49	.40
239089CB	74ACT175N⊕	.55	.47	.35
266731CB	74ACT240M⊕	.46	.37	.29
212046CB	74ACT240N⊕	.30	.26	.218
266765CB	74ACT241M⊕	.41	.33	.25
239097CB	74ACT241N⊕	.41	.33	.25
266896CB	74ACT244M⊕	.32	.27	.24
212054CB	74ACT244N⊕	.51	.43	.32
266917CB	74ACT245M⊕	.40	.33	.25
212062CB	74ACT245N⊕	~~$.38~~ .36	.31	.23
266933CB	74ACT251M⊕	.46	.35	.26
239100CB	74ACT251N⊕	~~$.46~~ .25	.222	.20
266941CB	74ACT257M⊕	.28	.233	.189
239126CB	74ACT257N⊕	.36	.31	.23
266976CB	74ACT273M⊕	.46	.37	.29
212071CB	74ACT273N⊕	.37	.31	.23
266992CB	74ACT373M⊕	.40	.33	.25
212089CB	74ACT373N⊕	.50	.41	.308
267012CB	74ACT374M⊕	.41	.33	.25
212097CB	74ACT374N⊕	~~$.40~~ .36	.31	.23
267055CB	74ACT521M⊕	.44	.36	.30
235230CB	74ACT521N⊕	~~$.79~~ .53	.45	.34
267071CB	74ACT533M⊕	.44	.34	.26
235248CB	74ACT533N⊕	~~$.52~~ .44	.40	.36
267151CB	74ACT541M⊕	.39	.35	.29
235264CB	74ACT541N⊕	.45	.34	.26
267274CB	74ACT573M⊕	.41	.33	.25
235272CB	74ACT573N⊕	.32	.27	.203
267338CB	74ACT574M⊕	.41	.33	.25
235281CB	74ACT574N⊕	~~$.57~~ .53	.45	.338
267371CB	74ACT715M⊕	9.25	8.35	7.49
235299CB	74ACT715N⊕	8.69	8.24	7.49

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

TTL Logic Data Book



Texas Instruments

Contains specifications and technical information on a broad line of TTL integrated circuits including Schottky TTL circuits. (1240 pages, 1988)

• Size: 6.0" x 8.5" • Weight: 2.6 lbs.

Part No.	Description	1	10
88225CB	TTL Logic Data Book	$34.95	$31.49

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212038CB	74ACT138, DIP	$0.25	$0.68	Not offered	$0.43	$0.18	41.9%
212089CB	74ACT373, DIP	$0.50	$0.80	$0.62	$0.80	$0.12	19.4%
214228CB	74AHC541, DIP	$0.40	$0.56	$0.49	$0.56	$0.09	18.4%
263193CB	TI, SN74ACT374N, DIP	$0.39	$0.80	$0.62	$0.80	$0.23	37.1%
262481CB	TI, SN74ACT86N, DIP	$0.22	$0.50	$0.34	$0.35	$0.12	35.3%
288366CB	TI, SN74AHC574N, DIP	$0.43	$0.56	$0.49	$0.56	$0.06	12.2%

These are single unit prices taken from each party's website on November 28, 2005, and do not include shipping & handling charges, volume discounts or any other discounts. Pricing does fluctuate, so please be sure to check when making purchases.

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74AHC & 74AHCT Standard Logic

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74AHC(T)XXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	ST Micro	Philips	Toshiba	Samsung
AHC(T)	DIP	SN74AHC(T)XXXN	74AHC(T)XXXN	MM74VHC(T)XXXN	—	—	—	—	KS74AHC(T)XXXN
	SOIC	SN74AHC(T)XXXD/DW	74AHC(T)XXXM	MM74VHC(T)XXXM/WM	MC74VHC(T)XXXD	M74VHC(T)XXXM	74AHC(T)XXXD	TC74VHC(T)XXXFN/FW	—

74AHC Series – AHC family offers CMOS inputs with CMOS outputs

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TEXAS INSTRUMENTS – Save 6-20%

Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74AHC00	SOIC-14	Quad 2-input positive NAND gate	289641CB	SN74AHC00D⊕	$.32	$.27	$.19
74AHC00	DIP-14	Quad 2-input positive NAND gate	287726CB	SN74AHC00N⊕	.36	.30	.21
74AHC02	SOIC-14	Quad 2-input positive NOR gate	289668CB	SN74AHC02D⊕	.32	.31	.22
74AHC02	DIP-14	Quad 2-input positive NOR gate	287742CB	SN74AHC02N⊕	~~$.36~~ .26	.216	.162
74AHC04	SOIC-14	Hex inverter	289721CB	SN74AHC04D⊕	.32	.31	.22
74AHC04	DIP-14	Hex inverter	287751CB	SN74AHC04N⊕	~~$.36~~ .28	.238	.162
74AHC08	SOIC-14	Quad 2-input positive AND gate	289764CB	SN74AHC08D⊕	.40	.32	.22
74AHC08	DIP-14	Quad 2-input positive AND gate	287777CB	SN74AHC08N⊕	~~$.36~~ .25	.216	.162
74AHC14	SOIC-14	Hex inverter with Schmitt trigger input	289799CB	SN74AHC14D⊕	.29	.25	.18
74AHC14	DIP-14	Hex inverter with Schmitt trigger input	288171CB	SN74AHC14N⊕	.46	.389	.292
74AHC32	SOIC-14	Quad 2-input positive OR gate	289932CB	SN74AHC32D⊕	.39	.319	.221
74AHC32	DIP-14	Quad 2-input positive OR gate	288198CB	SN74AHC32N⊕	.46	.324	.292
74AHC74	SOIC-14	Dual D-type pos. edge-triggered flip-flop	289959CB	SN74AHC74D⊕	.40	.32	.22
74AHC74	DIP-14	Dual D-type pos. edge-triggered flip-flop	288201CB	SN74AHC74N⊕	.30	.29	.21
74AHC86	SOIC-14	Quad 2-input exclusive OR gate	289983CB	SN74AHC86D⊕	.22	.173	.156
74AHC86	DIP-14	Quad 2-input exclusive OR gate	288219CB	SN74AHC86N⊕	~~$.44~~ .25	.216	.162
74AHC138	SOIC-16	3-line to 8-line decoders/demultiplexers	290036CB	SN74AHC138D⊕	.42	.373	.304
74AHC138	DIP-16	3-line to 8-line decoders/demultiplexers	288286CB	SN74AHC138N⊕	.46	.37	.26
74AHC139	SOIC-16	Dual 2-line to 4-line decoders/demultiplexers	290061CB	SN74AHC139D⊕	.48	.38	.30
74AHC139	DIP-16	Dual 2-line to 4-line decoders/demultiplexers	288294CB	SN74AHC139N⊕	.49	.41	.32
74AHC157	DIP-16	2 to 1 data selector/multiplexer	288382CB	SN74AHC157N⊕	~~$.60~~ .38	.342	.302
74AHC240	SOIC-20	Octal invert. buffer/driver w/ 3-st. outputs	290108CB	SN74AHC240DW⊕	.50	.38	.29
74AHC240	DIP-20	Octal invert. buffer/driver w/ 3-st. outputs	288315CB	SN74AHC240N⊕	.48	.378	.284
74AHC244	SOIC-20	Octal buffer/driver w/ 3-st. outputs	290175CB	SN74AHC244DW⊕	.41	.33	.25
74AHC244	DIP-20	Octal buffer/driver w/ 3-st. outputs	288323CB	SN74AHC244N⊕	.36	.291	.221
74AHC245	SOIC-20	Octal bus transceiver w/ 3-state outputs	290191CB	SN74AHC245DW⊕	.43	.33	.25
74AHC245	DIP-20	Octal bus transceiver w/ 3-state outputs	288331CB	SN74AHC245N⊕	.36	.302	.227
74AHC373	SOIC-20	Octal transparent D-type latch w/ 3-st. outputs	290212CB	SN74AHC373DW⊕	.43	.33	.25
74AHC373	DIP-20	Octal transparent D-type latch w/ 3-st. outputs	288340CB	SN74AHC373N⊕	.48	.40	.292
74AHC374	SOIC-20	Octal edge-trig. D-type flip-flop w/ 3-st. outputs	290247CB	SN74AHC374DW⊕	.29	.237	.212
74AHC374	DIP-20	Octal edge-trig. D-type flip-flop w/ 3-st. outputs	288358CB	SN74AHC374N⊕	.48	.404	.303
74AHC541	SOIC-20	Octal buffer/driver w/ 3-state NOR gate enabled	290271CB	SN74AHC541DW⊕	.50	.38	.29
74AHC541	DIP-20	Octal buffer/driver w/ 3-state NOR gate enabled	288366CB	SN74AHC541N⊕	.43	.367	.275
74AHC574	SOIC-20	Octal edge-trig. D-type F/F w/ 3-st. out flow thru	290298CB	SN74AHC574DW⊕	.29	.237	.213
74AHC574	DIP-20	Octal edge-trig. D-type F/F w/ 3-st. out flow thru	288374CB	SN74AHC574N⊕	.58	.448	.337

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Part No.	Cross Ref.	1	10	100
289650CB	74AHC00M⊕	$.30	$.253	$.176
214092CB	74AHC00N⊕	.32	.27	.19
289676CB	74AHC02M⊕	.30	.291	.202
214105CB	74AHC02N⊕	~~$.32~~ .24	.20	.15
289748CB	74AHC04M⊕	.30	.291	.202
214113CB	74AHC04N⊕	~~$.32~~ .26	.22	.16
289772CB	74AHC08M⊕	.36	.291	.202
214121CB	74AHC08N⊕	~~$.32~~ .23	.20	.15
289801CB	74AHC14M⊕	.26	.224	.159
214130CB	74AHC14N⊕	.43	.36	.27
289941CB	74AHC32M⊕	.35	.291	.202
214148CB	74AHC32N⊕	.43	.36	.27
289967CB	74AHC74M⊕	.36	.291	.202
214156CB	74AHC74N⊕	.24	.22	.18
289991CB	74AHC86M⊕	.20	.158	.143
214164CB	74AHC86N⊕	~~$.32~~ .23	.20	.15
290044CB	74AHC138M⊕	.39	.34	.277
243213CB	74AHC138N⊕	.45	.38	.28
290079CB	74AHC139M⊕	.44	.332	.277
243221CB	74AHC139N⊕	.45	.38	.28
243230CB	74AHC157N⊕	~~$.53~~ .35	.317	.285
290116CB	74AHC240M⊕	.46	.349	.269
214172CB	74AHC240N⊕	.44	.35	.263
290183CB	74AHC244M⊕	.37	.299	.227
214181CB	74AHC244N⊕	.33	.27	.20
290204CB	74AHC245M⊕	.39	.299	.227
214199CB	74AHC245N⊕	~~$.39~~ .33	.28	.21
290239CB	74AHC373M⊕	.39	.299	.227
214201CB	74AHC373N⊕	.44	.37	.278
290255CB	74AHC374M⊕	.26	.216	.193
214210CB	74AHC374N⊕	.44	.374	.281
290280CB	74AHC541M⊕	.46	.349	.265
214228CB	74AHC541N⊕	.40	.34	.255
290319CB	74AHC574M⊕	.26	.216	.203
214236CB	74AHC574N⊕	.54	.415	.312

74AHCT Series – AHCT family offers TTL inputs with CMOS outputs

AHC(T) = VHC(T) DIP SOIC

TEXAS INSTRUMENTS – Save 6-20%

Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74AHCT00	SOIC-14	Quad 2-input positive NAND gate	289051CB	SN74AHCT00D⊕	$.24	$.20	$.16
74AHCT00	DIP-14	Quad 2-input positive NAND gate	288454CB	SN74AHCT00N⊕	.23	.15	.13
74AHCT02	DIP-14	Quad 2-input positive NOR gate	288489CB	SN74AHCT02N⊕	.36	.30	.21
74AHCT04	SOIC-14	Hex inverter	289086CB	SN74AHCT04D⊕	.21	.16	.14
74AHCT04	DIP-14	Hex inverter	288497CB	SN74AHCT04N⊕	.34	.30	.21
74AHCT08	SOIC-14	Quad 2-input positive AND gate	289140CB	SN74AHCT08D⊕	.21	.16	.15
74AHCT08	DIP-14	Quad 2-input positive AND gate	288569CB	SN74AHCT08N⊕	.32	.291	.202
74AHCT14	SOIC-14	Hex inverter with Schmitt trigger input	289166CB	SN74AHCT14D⊕	*	.146	.129
74AHCT14	DIP-14	Hex inverter with Schmitt trigger input	288577CB	SN74AHCT14N⊕	.35	.291	.202
74AHCT74	SOIC-14	Dual D-type pos. edge-triggered flip-flop	289262CB	SN74AHCT74D⊕	.29	.25	.18
74AHCT74	DIP-14	Dual D-type pos. edge-triggered flip-flop	288649CB	SN74AHCT74N⊕	.35	.291	.202
74AHCT86	SOIC-14	Quad 2-input exclusive OR gate	289289CB	SN74AHCT86D⊕	.23	.191	.166
74AHCT86	DIP-14	Quad 2-input exclusive OR gate	288657CB	SN74AHCT86N⊕	.23	.19	.17

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* Minimum order 10 pieces

Part No.	Cross Ref.	1	10	100
289060CB	74AHCT00M⊕	$.22	$.183	$.143
43844CB	74AHCT00N⊕	.21	.15	.10
43852CB	74AHCT02N⊕	.32	.27	.20
289094CB	74AHCT04M⊕	*	.149	.126
43861CB	74AHCT04N⊕	.30	.266	.185
289158CB	74AHCT08M⊕	*	.149	.134
63431CB	74AHCT08N⊕	.30	.26	.19
289174CB	74AHCT14M⊕	*	.133	.118
63458CB	74AHCT14N⊕	.32	.27	.19
289254CB	74AHCT74M⊕	.26	.224	.159
43924CB	74AHCT74N⊕	.32	.27	.20
289297CB	74AHCT86M⊕	.21	.174	.151
43932CB	74AHCT86N⊕	.21	.18	.13

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

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74AHCT Series (Continued) – AHCT family offers TTL inputs with CMOS outputs

Quantity SAVE AHC(T) = VHC(T) DIP SOIC

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74AHCT138	SOIC-16	3-line to 8-line decoders/demultiplexers	289318CB	SN74AHCT138D⊕	$.50	$.40	$.30
74AHCT138	DIP-16	3-line to 8-line decoders/demultiplexers	288673CB	SN74AHCT138N⊕	.40	.33	.25
74AHCT139	SOIC-16	Dual 2-line to 4-line decoders/demultiplexers	289342CB	SN74AHCT139D⊕	.48	.38	.30
74AHCT139	DIP-16	Dual 2-line to 4-line decoders/demultiplexers	288711CB	SN74AHCT139N⊕	.29	.28	.20
74AHCT240	SOIC-20	Octal invert. buffer/driver w/ 3-st. outputs	289385CB	SN74AHCT240DW⊕	.45	.38	.29
74AHCT240	DIP-20	Octal invert. buffer/driver w/ 3-st. outputs	288737CB	SN74AHCT240N⊕	.29	.259	.248
74AHCT244	SOIC-20	Octal buffer/driver w/ 3-st. outputs	289449CB	SN74AHCT244DW⊕	.43	.33	.25
74AHCT244	DIP-20	Octal buffer/driver w/ 3-st. outputs	288868CB	SN74AHCT244N⊕	.29	.24	.21
74AHCT245	SOIC-20	Octal bus transceiver w/ 3-state outputs	289490CB	SN74AHCT245DW⊕	.43	.33	.25
74AHCT245	DIP-20	Octal bus transceiver w/ 3-state outputs	288884CB	SN74AHCT245N⊕	.43	.328	.248
74AHCT373	SOIC-20	Octal transparent D-type latch w/ 3-st. outputs	289502CB	SN74AHCT373DW⊕	.43	.33	.25
74AHCT373	DIP-20	Octal transparent D-type latch w/ 3-st. outputs	288892CB	SN74AHCT373N⊕	.29	.237	.214
74AHCT374	SOIC-20	Octal edge-trig. D-type flip-flop w/ 3-st. outputs	289561CB	SN74AHCT374DW⊕	.29	.237	.212
74AHCT374	DIP-20	Octal edge-trig. D-type flip-flop w/ 3-st. outputs	288913CB	SN74AHCT374N⊕	.29	.237	.212
74AHCT574	SOIC-20	Octal edge-trig. D-type F/F w/ 3-st. out flow thru	289617CB	SN74AHCT574DW⊕	.43	.33	.25
74AHCT574	DIP-20	Octal edge-trig. D-type F/F w/ 3-st. out flow thru	288964CB	SN74AHCT574N⊕	.45	.389	.292

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Part No.	Cross Ref.	1	10	100
289326CB	74AHCT138M⊕	$.45	$.365	$.277
243248CB	74AHCT138N⊕	.36	.31	.23
289351CB	74AHCT139M⊕	.44	.35	.277
243256CB	74AHCT139N⊕	.26	.252	.189
289414CB	74AHCT240M⊕	.41	.349	.269
214244CB	74AHCT240N⊕	.26	.241	.193
289457CB	74AHCT244M⊕	.39	.299	.227
63466CB	74AHCT244N⊕	.30	.27	.22
289481CB	74AHCT245M⊕	.39	.299	.227
43887CB	74AHCT245N⊕	.39	.299	.227
289511CB	74AHCT373M⊕	.39	.299	.227
43908CB	74AHCT373N⊕	.26	.22	.193
289570CB	74AHCT374M⊕	.26	.216	.193
43916CB	74AHCT374N⊕	.26	.22	.165
289633CB	74AHCT574M⊕	.39	.30	.227
214252CB	74AHCT574N⊕	.42	.36	.27

74ABTXXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	Philips
ABT	DIP	SN74ABTXXXN	74ABTXXXN	74ABTXXXPC	74ABTXXXN
	SOIC	SN74ABTXXXD/DW	74ABTXXXD	74ABTXXXSC	74ABTXXXD

74ABT Series – BiCMOS Technology for High Performance Bus Systems

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74ABT125	SOIC-14	Quad buffer w/ 3-state outputs	290811CB	SN74ABT125D⊕	$.51	$.41	$.31
74ABT125	DIP-14	Quad bus buffer gate w/ 3-state outputs	290482CB	SN74ABT125N⊕	.41	.34	.29
74ABT240	SOIC-20	Octal invert. buffer/driver w/ 3-state outputs	290909CB	SN74ABT240ADW⊕	.82	.62	.48
74ABT240	DIP-20	Octal invert. buffer/driver w/ 3-state outputs	290503CB	SN74ABT240AN⊕	.72	.62	.47
74ABT241	SOIC-20	Octal buffer/driver w/ 3-state outputs	290941CB	SN74ABT241ADW⊕	.82	.62	.48
74ABT244	SOIC-20	Octal buffer/driver w/ 3-state outputs	291160CB	SN74ABT244ADW⊕	.67	.51	.39
74ABT244	DIP-20	Octal buffer/driver w/ 3-state outputs	290511CB	SN74ABT244AN⊕	.67	.51	.39
74ABT245	SOIC-20	Octal bus transciever w/ 3-state ouputs	291186CB	SN74ABT245BDW⊕	.67	.51	.39
74ABT245	DIP-20	Octal bus transciever w/ 3-state ouputs	290520CB	SN74ABT245BN⊕	.67	.51	.39
74ABT373	SOIC-20	Octal transparent D-type latch w/ 3-st. outputs	291223CB	SN74ABT373DW⊕	.65	.491	.373
74ABT373	DIP-20	Octal transparent D-type latch w/ 3-st. outputs	290546CB	SN74ABT373N⊕	.65	.491	.377
74ABT374	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	291266CB	SN74ABT374ADW⊕	.67	.51	.39
74ABT374	DIP-20	Octal D-type flip-flop w/ 3-state outputs	290589CB	SN74ABT374AN⊕	.65	.491	.373
74ABT377	SOIC-20	Octal edge-triggered D-type flip-flop w/ clock enable	291354CB	SN74ABT377ADW⊕	.74	.56	.43
74ABT534	SOIC-20	Octal edge-triggered D-type flip-flop w/ 3-st. outputs	291371CB	SN74ABT534ADW⊕	.79	.66	.59
74ABT541	SOIC-20	Octal buffer/driver w/ 3-state NOR gate enabled	291418CB	SN74ABT541BDW⊕	.66	.47	.42
74ABT541	DIP-20	Octal buffer/driver w/ 3-state NOR gate enabled	290685CB	SN74ABT541BN⊕	.74	.56	.43
74ABT573	SOIC-20	Octal transparent D-type latch w/ 3-st. outputs	291442CB	SN74ABT573ADW⊕	.65	.49	.38
74ABT573	DIP-20	Octal transparent D-type latch w/ 3-st. outputs	290693CB	SN74ABT573AN⊕	.67	.51	.39
74ABT574	SOIC-20	Octal D-type flip-flop w/ 3-state outputs	291557CB	SN74ABT574ADW⊕	.67	.51	.39
74ABT574	DIP-20	Octal D-type flip-flop w/ 3-state outputs	290706CB	SN74ABT574AN⊕	.32	.309	.304
74ABT646	SOIC-20	Octal bus transciever w/ 3-state outputs	291602CB	SN74ABT646ADW⊕	1.25	1.06	.86
74ABT646	DIP-24	Octal bus transciever w/ 3-state outputs	290714CB	SN74ABT646ANT⊕	1.29	1.09	.87
74ABT652	SOIC-24	Octal registered transcievers w/ 3-st. outputs	291741CB	SN74ABT652ADW⊕	1.35	1.12	.89
74ABT2240	SOIC-20	Octal buffer/driver w/ 3-state outputs	291750CB	SN74ABT2240ADW⊕	.82	.62	.47
74ABT2244	SOIC-20	Octal buffer/driver w/ 30 ohms series resistors, 3-st.	291776CB	SN74ABT2244ADW⊕	.65	.491	.377
74ABT2244	DIP-20	Octal buffer/driver w/ 30 ohms series resistors, 3-st.	290722CB	SN74ABT2244AN⊕	.65	.491	.377
74ABT5402	SOIC-28	12-bit line/memory driver w/ 3-state outputs	291397CB	SN74ABT5402ADW⊕	3.09	2.69	2.53

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Part No.	Cross Ref.	1	10	100
290837CB	74ABT125D⊕	$.45	$.365	$.277
290351CB	74ABT125N⊕	.36	.291	.27
290917CB	74ABT240AD⊕	.72	.55	.42
290360CB	74ABT240AN⊕	.63	.55	.42
290950CB	74ABT241AD⊕	.72	.548	.42
291178CB	74ABT244AD⊕	.59	.45	.34
290378CB	74ABT244AN⊕	.59	.448	.344
291194CB	74ABT245BD⊕	.59	.448	.344
290386CB	74ABT245BN⊕	.59	.448	.344
291240CB	74ABT373D⊕	.59	.448	.344
290415CB	74ABT373N⊕	.59	.448	.34
291274CB	74ABT374AD⊕	.59	.448	.344
290423CB	74ABT374AN⊕	.59	.448	.344
291362CB	74ABT377AD⊕	.66	.50	.378
291389CB	74ABT534AD⊕	.73	.65	.59
291426CB	74ABT541BD⊕	.58	.398	.37
290440CB	74ABT541BN⊕	.66	.498	.378
291469CB	74ABT573AD⊕	.59	.448	.34
290431CB	74ABT573AN⊕	.59	.448	.344
291565CB	74ABT574AD⊕	.59	.45	.34
290458CB	74ABT574AN⊕	.35	.309	.304
291637CB	74ABT646AD⊕	1.15	.97	.78
290466CB	74ABT646AN⊕	1.15	.97	.78
291733CB	74ABT652AD⊕	1.15	.99	.80
291768CB	74ABT2240AD⊕	.72	.55	.416
291784CB	74ABT2244AD⊕	.59	.448	.34
290343CB	74ABT2244AN⊕	.59	.448	.344
291400CB	74ABT5402AD⊕	2.79	2.69	2.53

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

74HC Standard Logic

RoHS Compliant Product
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74HC(T)XXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	ST Micro	Philips	Toshiba
HC(T)	DIP	SN74HC(T)XXXN	74HC(T)XXXN	MM74HC(T)XXXN	MC74HC(T)XXXN	M74HC(T)XXXBIR	74HC(T)XXXN	TC74HC(T)XXXAP
	DIP	CD74HC(T)XXXE	74HC(T)XXXN	MM74HC(T)XXXN	MC74HC(T)XXXN	M74HC(T)XXXBIR	74HC(T)XXXN	TC74HC(T)XXXAP
	SOIC	SN74HC(T)XXXD/DW	74HC(T)XXXM/WM	MM74HC(T)XXXM/WM	MC74HC(T)XXXD	M74HC(T)XXXMIR	74HC(T)XXXD	TC74HC(T)XXXAF/AFW
	SOIC	CD74HC(T)XXXM	74HC(T)XXXM/WM	MM74HC(T)XXXM/WM	MC74HC(T)XXXD	M74HC(T)XXXMIR	74HC(T)XXXD	TC74HC(T)XXXAF/AFW
	TSSOP	SN74HC(T)XXXPW	74HC(T)XXXT	MM74HC(T)XXXMTC	MC74HC(T)XXXDT	M74HC(T)XXXT	74HC(T)XXXPW	—

74HC Series – HC family offers CMOS inputs with CMOS outputs

Lower $$$ Quantity SAVE

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✳ Minimum order 10 pieces

Base No.	Package	Description	Texas Instruments – Save 6-20% Part No.	T.I. Product No.	1	10	100	Jameco Value Offering Part No.	Cross Ref.	1	10	100
74HC00	SOIC-14	Quad 2-input NAND gates	251889CB	SN74HC00D⊕	✳	$.137	$.12	197106CB	74HC00M⊕	✳	$.125	$.094
74HC00	DIP-14	Quad 2-input NAND gates	250966CB	SN74HC00N⊕	.24	.21	.151	45161CB	74HC00N⊕	.22	.19	.14
74HC00	TSSOP-14	Quad 2-input NAND gates	379911CB	SN74HC00PW⊕	✳	.137	.12	380015CB	74HC00T⊕	✳	.125	.109
74HC02	SOIC-14	Quad 2-input NOR gates	251926CB	SN74HC02D⊕	✳	.137	.10	197114CB	74HC02M⊕	✳	.125	.094
74HC02	DIP-14	Quad 2-input NOR gates	250974CB	SN74HC02N⊕	.26	.173	.156	45188CB	74HC02N⊕	.24	.158	.126
74HC02	TSSOP-14	Quad 2-input NOR gates						380031CB	74HC02T⊕	✳	.125	.109
74HC04	SOIC-14	Hex inverter	251934CB	SN74HC04D⊕	✳	.137	.103	197122CB	74HC04M⊕	✳	.125	.094
74HC04	DIP-14	Hex inverter	250982CB	SN74HC04N⊕	.26	.228	.193	45209CB	74HC04N⊕	.24	.208	.176
74HC04	TSSOP-14	Hex Inverter	380058CB	SN74HC04PW⊕	✳	.137	.12	380066CB	74HC04T⊕	✳	.125	.109
74HC08	SOIC-14	Quad 2-input AND gates	251942CB	SN74HC08D⊕	✳	.135	.09	197131CB	74HC08M⊕	✳	.125	.094
74HC08	DIP-14	Quad 2-input AND gates	251002CB	SN74HC08N⊕	✳	.173	.13	45225CB	74HC08N⊕	✳	.158	.12
74HC08	TSSOP-14	Quad 2-input AND gates	380074CB	SN74HC08PW⊕	✳	.137	.12	380082CB	74HC08T⊕	✳	.125	.109
74HC10	SOIC-14	Triple 3-input NAND gates	251951CB	SN74HC10D⊕	✳	.137	.103	243272CB	74HC10M⊕	✳	.125	.094
74HC10	DIP-14	Triple 3-input NAND gates	251011CB	SN74HC10N⊕	.37	.30	.218	45233CB	74HC10N⊕	.34	.279	.202
74HC11	DIP-14	Triple 3-input AND gates	251037CB	SN74HC11N⊕	.20	.17	.13	45268CB	74HC11N⊕	✳	.158	.119
74HC14	SOIC-14	Hex Schmitt trigger inverter	251969CB	SN74HC14D⊕	✳	.155	.116	197149CB	74HC14M⊕	✳	.141	.106
74HC14	DIP-14	Hex Schmitt trigger inverter	251045CB	SN74HC14N⊕	.24	.21	.18	45364CB	74HC14N⊕	.22	.19	.17
74HC14	TSSOP-14	Hex Schmitt trigger inverter	380269CB	SN74HC14PW⊕	.39	.319	.221	380277CB	74HC14T⊕	.36	.289	.203
74HC30	SOIC-14	8-input NAND gate	251985CB	CD74HC30M⊕	.31	.26	.195	243281CB	74HC30M⊕	.28	.234	.178
74HC30	DIP-14	8-input NAND gate	251070CB	CD74HC30E⊕	.31	.28	.20	45786CB	74HC30N⊕	.44	.30	.22
74HC32	SOIC-14	Quad 2-input OR gates	251993CB	SN74HC32D⊕	✳	.137	.102	197157CB	74HC32M⊕	✳	.125	.094
74HC32	DIP-14	Quad 2-input OR gates	251088CB	SN74HC32N⊕	.20	.17	.128	45794CB	74HC32N⊕	✳	.21	.15
74HC32	TSSOP-14	Quad 2-input OR gates	380648CB	SN74HC32PW⊕	✳	.137	.12	380656CB	74HC32T⊕	✳	.125	.109
74HC74	SOIC-14	Dual D-type pos. edge trig. flip-flops w/clear and preset	252030CB	SN74HC74D⊕	✳	.155	.138	197165CB	74HC74M⊕	✳	.141	.106
74HC74	DIP-14	Dual D-type pos. edge trig. flip-flops w/clear and preset	251096CB	SN74HC74N⊕	.30	.275	.242	46130CB	74HC74N⊕	.27	.25	.22
74HC74	TSSOP-14	Dual D-type pos. edge trig. flip-flops w/clear and preset	381106CB	SN74HC74PW⊕	✳	.155	.138	381114CB	74HC74T⊕	✳	.141	.126
74HC85	SOIC-16	4-bit magnitude comparator	252048CB	CD74HC85M⊕	.59	.54	.49	243299CB	74HC85M⊕	.43	.37	.278
74HC85	DIP-16	4-bit magnitude comparator	251109CB	CD74HC85E⊕	.54	.46	.34	46172CB	74HC85N⊕	.49	.38	.27
74HC86	SOIC-14	Quad 2-input Exclusive OR gates	252056CB	SN74HC86D⊕	✳	.126	.095	243301CB	74HC86M⊕	✳	.108	.094
74HC86	DIP-14	Quad 2-input Exclusive OR gates	251133CB	SN74HC86N⊕	.25	.182	.156	46181CB	74HC86N⊕	.23	.166	.143
74HC86	TSSOP-14	Quad 2-input Exclusive OR gates	381122CB	SN74HC86PW⊕	✳	.155	.138	381131CB	74HC86T⊕	✳	.141	.126
74HC123	SOIC-16	Dual retrig. monostable multivibrator w/ reset	252064CB	CD74HC123M⊕	.43	.328	.248	243310CB	74HC123M⊕	.39	.299	.227
74HC123	DIP-16	Dual retrig. monostable multivibrator w/ reset	251184CB	CD74HC123E⊕	.32	.27	.20	45292CB	74HC123N⊕	.30	.243	.18
74HC123	TSSOP-16	Dual retrig. monostable multivibrator w/ reset						380103CB	74HC123T⊕	.34	.291	.227
74HC125	SOIC-14	Quad bus buffer w/ 3-state outputs	252072CB	SN74HC125D⊕	.25	.216	.162	243328CB	74HC125M⊕	.23	.20	.15
74HC125	DIP-14	Quad bus buffer w/ 3-state outputs	251192CB	SN74HC125N⊕	.31	.26	.20	45305CB	74HC125N⊕	.28	.24	.18
74HC125	TSSOP-14	Quad bus buffer w/ 3-state outputs						380120CB	74HC125T⊕	.21	.22	.165
74HC132	SOIC-14	Quad pos. NAND gate w/ Schmitt trigger input	252081CB	SN74HC132D⊕	.26	.218	.193	243731CB	74HC132M⊕	.26	.22	.165
74HC132	DIP-14	Quad pos. NAND gate w/ Schmitt trigger input	251205CB	SN74HC132N⊕	.31	.26	.20	45321CB	74HC132N⊕	.28	.234	.18
74HC132	TSSOP-14	Quad pos. NAND gate w/ Schmitt trigger input	380146CB	ST74HC132PW⊕	.32	.273	.248	380197CB	74HC132T⊕	.30	.249	.227
74HC138	SOIC-16	3-to-8 decoder/demultiplexer	252099CB	SN74HC138D⊕	.26	.22	.19	197173CB	74HC138M⊕	.24	.20	.153
74HC138	DIP-16	3-to-8 decoder/demultiplexer	251213CB	SN74HC138N⊕	.33	.29	.20	45330CB	74HC138N⊕	.30	.27	.18
74HC138	TSSOP-16	3-to-8 decoder/demultiplexer						380251CB	74HC138T⊕	.24	.199	.176
74HC139	SOIC-16	2 to 4 decoder/demultiplexer	252101CB	SN74HC139D⊕	.40	.34	.26	243740CB	74HC139M⊕	.36	.31	.23
74HC139	DIP-16	2-to 4 decoder/demultiplexer	251221CB	SN74HC139N⊕	.35	.30	.22	45356CB	74HC139N⊕	.25	.20	.16
74HC154	SOIC-24	4-to-16 line decoder	252110CB	CD74HC154M⊕	.41	.35	.26	243758CB	74HC154WM⊕	.37	.30	.23
74HC154	DIP-24	4-to-16 line decoder (.6"W)	251230CB	CD74HC154E⊕	.69	.63	.57	111739CB	74HC154WN⊕	.64	.54	.438
74HC154	DIP-24	4-to-16 line decoder (.3"W)	251248CB	CD74HC154EN⊕	.81	.68	.55	45401CB	74HC154N⊕	.75	.63	.51
74HC154	TSSOP-24	4-to-16 line decoder						380293CB	74HC154T⊕	.20	.159	.121
74HC157	SOIC-16	Quad 2-to-1 line data selector/multiplexer	252136CB	SN74HC157D⊕	.23	.183	.17	243766CB	74HC157M⊕	.21	.166	.125
74HC157	DIP-16	Quad 2-to-1 line data selector/multiplexer	251299CB	SN74HC157N⊕	.31	.238	.178	45428CB	74HC157N⊕	.29	.22	.165
74HC157	TSSOP-16	Quad 2-to-1 line data selector/multiplexer	380306CB	SN74HC157PW⊕	.26	.218	.193	380314CB	74HC157T⊕	.24	.199	.176

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

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Base No.	Package	Description	Texas Instruments Part No.	T.I. Product No.	1	10	100
74HC161	SOIC-16	4-bit synchronous binary counter	252144CB	SN74HC161D⊕	$.27	$.206	$.154
74HC161	DIP-16	4-bit synchronous binary counter	251301CB	SN74HC161N⊕	.29	.25	.18
74HC163	DIP-16	4-bit synchronous presettable binary counter	251310CB	SN74HC163N⊕	.32	.282	.258
74HC164	SOIC-14	8-bit parallel out serial shift register	252152CB	SN74HC164D⊕	.25	.21	.16
74HC164	DIP-14	8-bit parallel out serial shift register	251328CB	SN74HC164N⊕	.41	.33	.25
74HC165	SOIC-16	8-bit parallel load shift register	252161CB	SN74HC165D⊕	.39	.30	.23
74HC165	DIP-16	8-bit parallel load shift register	251336CB	SN74HC165N⊕	.35	.30	.22
74HC165	TSSOP-16	8-bit parallel load shift register	380381CB	SN74HC165PW⊕	.32	.273	.239
74HC174	SOIC-16	Hex-D-type flip-flop with clear	252179CB	SN74HC174D⊕	.25	.21	.16
74HC174	DIP-16	Hex-D-type flip-flop with clear	251352CB	SN74HC174N⊕	.26	.21	.16
74HC174	TSSOP-16	Hex-D-type flip-flop with clear	380437CB	SN74HC174PW⊕	.32	.273	.239
74HC192	DIP-16	Presettable synchronous 4-bit up/down counter	251395CB	CD74HC192E⊕	1.75	1.57	1.39
74HC193	SOIC-16	4-bit synch up/down counter (dual clock w/ clear)	252187CB	SN74HC193D⊕	.43	.328	.248
74HC193	DIP-16	4-bit synch up/down counter (dual clock w/ clear)	251387CB	SN74HC193N⊕	.32	.291	.184
74HC221	SOIC-16	Dual monostable multivibrator w/reset	252259CB	CD74HC221M⊕	.52	.44	.33
74HC221	DIP-16	Dual monostable multivibrator w/reset	251408CB	CD74HC221E⊕	.58	.437	.331
74HC240	SOIC-20	Octal invert. buffer/line driver w/ 3-st. output	252267CB	SN74HC240DW⊕	.36	.281	.211
74HC240	DIP-20	Octal invert. buffer/line driver w/ 3-st. output	251416CB	SN74HC240N⊕	.37	.255	.191
74HC240	TSSOP-20	Octal invert. buffer/line driver w/ 3-st. output	380461CB	SN74HC240PW⊕	.28	.237	.202
74HC244	SOIC-20	Octal buffer and line driver w/ 3-state output	252275CB	SN74HC244DW⊕	.24	.219	.157
74HC244	DIP-20	Octal buffer and line driver w/ 3-state output	251424CB	SN74HC244N⊕	.49	.42	.31
74HC244	TSSOP-20	Octal buffer and line driver w/ 3-state output	380525CB	SN74HC244PW⊕	.28	.237	.202
74HC245	SOIC-20	Octal bus transceiver w/ 3-state output	252291CB	SN74HC245DW⊕	.28	.24	.18
74HC245	DIP-20	Octal bus transceiver w/ 3-state output	251432CB	SN74HC245N⊕	.49	.41	.31
74HC245	TSSOP-20	Octal bus transceiver w/ 3-state output	380568CB	SN74HC245PW⊕	.28	.237	.202
74HC273	SOIC-20	Octal D-type flip-flops with clear	252304CB	SN74HC273DW⊕	.34	.281	.211
74HC273	DIP-20	Octal D-type flip-flops with clear	251459CB	SN74HC273N⊕	.35	.30	.22
74HC273	TSSOP-20	Octal D-type flip-flops with clear	380613CB	SN74HC273PW⊕	.28	.237	.202
74HC373	SOIC-20	Octal D-type transparent latches w/ 3-state out. H.O.	252312CB	SN74HC373DW⊕	~~$.28~~ .24	.188	.141
74HC373	DIP-20	Octal D-type transparent latches w/ 3-state out. H.O.	251475CB	SN74HC373N⊕	.49	.42	.38
74HC373	TSSOP-20	Octal D-type transparent latches w/ 3-state out. H.O.	380664CB	SN74HC373PW⊕	.28	.237	.202
74HC374	SOIC-20	Octal edge trig D-type flip-flops w/ 3-state outputs	252321CB	SN74HC374DW⊕	.31	.259	.194
74HC374	DIP-20	Octal edge trig D-type flip-flops w/ 3-state outputs	251483CB	SN74HC374N⊕	.53	.42	.31
74HC374	TSSOP-20	Octal edge trig D-type flip-flops w/ 3-state outputs	380736CB	SN74HC374PW⊕	.28	.237	.202
74HC393	SOIC-14	Dual 4-bit binary counter	252339CB	SN74HC393D⊕	~~$.28~~ .22	.184	.138
74HC393	DIP-14	Dual 4-bit binary counter	251504CB	SN74HC393N⊕	.32	.29	.26
74HC540	SOIC-20	Octal buffer and line driver w/ 3-state output	252347CB	SN74HC540DW⊕	.28	.24	.18
74HC540	DIP-20	Octal buffer and line driver w/ 3-state output	251512CB	SN74HC540N⊕	.34	.291	.258
74HC540	TSSOP-20	Octal buffer and line driver w/ 3-state output	380980CB	SN74HC540PW⊕	.29	.246	.221
74HC541	SOIC-20	Octal buffer/line driver w/ 3-st. NOR gate enabled	252355CB	SN74HC541DW⊕	~~$.29~~ .24	.205	.154
74HC541	DIP-20	Octal buffer/line driver w/ 3-st. NOR gate enabled	251521CB	SN74HC541N⊕	.41	.35	.26
74HC541	TSSOP-20	Octal buffer/line driver w/ 3-st. NOR gate enabled	381000CB	SN74HC541PW⊕	.50	.382	.29
74HC573	SOIC-20	Octal transparent D-type latches w/ 3-st. outputs	252363CB	SN74HC573ADW⊕	.23	.21	.20
74HC573	DIP-20	Octal transparent D-type latches w/ 3-st. outputs	251547CB	SN74HC573AN⊕	.41	.346	.304
74HC573	TSSOP-20	Octal transparent D-type latches w/ 3-st. outputs	381026CB	SN74HC573APW⊕	.29	.246	.221
74HC574	SOIC-20	Octal edge trig D-type F/F w/ 3-st. out flow thru	252371CB	SN74HC574DW⊕	.28	.237	.156
74HC574	DIP-20	Octal edge trig D-type F/F w/ 3-st. out flow thru	251555CB	SN74HC574N⊕	.41	.35	.26
74HC574	TSSOP-20	Octal edge trig D-type F/F w/ 3-st. out flow thru	381042CB	SN74HC574PW⊕	.29	.246	.221
74HC590	DIP-16	8-bit binary counter w/ output reg. tri-state	251635CB	SN74HC590AN⊕	.41	.346	.304
74HC595	SOIC-16	8-bit shift registers w/ 3-st. output registers	252523CB	SN74HC595D⊕	.25	.237	.193
74HC595	DIP-16	8-bit shift registers w/ 3-st. output registers	251643CB	SN74HC595N⊕	.67	.48	.42
74HC595	TSSOP-16	8-bit shift registers w/ 3-st. output registers					
74HC688	SOIC-20	8-bit identity comparators	252531CB	SN74HC688DW⊕	.42	.36	.27
74HC688	DIP-20	8-bit identity comparators	251651CB	SN74HC688N⊕	.49	.42	.31
74HC688	TSSOP-20	8-bit identity comparators					
74HC4017	DIP-16	Decade ctr/div with 10 decoded outputs	251660CB	CD74HC4017E⊕	.54	.49	.469
74HC4020	SOIC-16	14-bit asynchronous binary counter	252540CB	SN74HC4020D⊕	.43	.25	.188
74HC4020	DIP-16	14-bit asynchronous binary counter	251678CB	CD74HC4020E⊕	.29	.20	.184
74HC4040	SOIC-16	12-bit asynchronous binary counter	252558CB	SN74HC4040D⊕	.27	.23	.17
74HC4040	DIP-16	12-bit asynchronous binary counter	251686CB	SN74HC4040N⊕	.33	.26	.22
74HC4040	TSSOP-16	12-bit asynchronous binary counter	380752CB	SN74HC4040PW⊕	.39	.328	.248

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243774CB	74HC161M⊕	$.25	$.191	$.143
45452CB	74HC161N⊕	.26	.22	.165
45479CB	74HC163N⊕	.28	.24	.18
197181CB	74HC164M⊕	.23	.20	.15
45487CB	74HC164N⊕	.38	.30	.23
197190CB	74HC165M⊕	.35	.30	.225
45495CB	74HC165N⊕	.32	.27	.20
380429CB	74HC165T⊕	.30	.249	.218
243782CB	74HC174M⊕	.23	.174	.151
45508CB	74HC174N⊕	.25	.21	.16
380453CB	74HC174T⊕	.30	.249	.218
45541CB	74HC192N⊕	1.59	1.45	1.29
243791CB	74HC193M⊕	.39	.299	.227
45559CB	74HC193N⊕	.30	.266	.168
243803CB	74HC221AM⊕	.43	.37	.278
45604CB	74HC221N⊕	.53	.398	.302
243811CB	74HC240WM⊕	.33	.26	.195
45612CB	74HC240N⊕	.34	.26	.19
380488CB	74HC240T⊕	.25	.216	.185
197202CB	74HC244M⊕	.22	.199	.143
45655CB	74HC244N⊕	.45	.39	.35
380509CB	74HC244T⊕	.25	.216	.185
197211CB	74HC245M⊕	~~$.25~~ .23	.165	.142
45671CB	74HC245N⊕	.45	.38	.29
380592CB	74HC245T⊕	.25	.216	.185
243820CB	74HC273WM⊕	.31	.26	.195
45743CB	74HC273N⊕	.39	.30	.23
380630CB	74HC273T⊕	.25	.216	.185
197229CB	74HC373M⊕	~~$.25~~ .22	.174	.134
45831CB	74HC373N⊕	.45	.39	.35
380699CB	74HC373T⊕	.25	.216	.185
197237CB	74HC374M⊕	.29	.24	.18
45858CB	74HC374N⊕	.49	.39	.29
380744CB	74HC374T⊕	.25	.216	.185
243838CB	74HC393M⊕	~~$.25~~ .20	.17	.128
45874CB	74HC393N⊕	.29	.25	.18
243846CB	74HC540WM⊕	.26	.22	.165
109760CB	74HC540N⊕	.37	.31	.232
380998CB	74HC540T⊕	.26	.224	.202
243854CB	74HC541WM⊕	~~$.26~~ .22	.19	.143
46050CB	74HC541N⊕	.37	.31	.24
381018CB	74HC541T⊕	.46	.349	.265
197245CB	74HC573M⊕	~~$.26~~ .21	.18	.169
46076CB	74HC573N⊕	.31	.26	.22
381034CB	74HC573T⊕	.26	.224	.202
197253CB	74HC574M⊕	.23	.20	.15
46084CB	74HC574N⊕	.37	.31	.28
381051CB	74HC574T⊕	.26	.224	.202
88090CB	74HC590N⊕	.38	.32	.24
245075CB	74HC595M⊕	.23	.20	.179
46105CB	74HC595N⊕	.62	.44	.39
381077CB	74HC595T⊕	.25	.216	.185
245083CB	74HC688WM⊕	.38	.32	.24
46113CB	74HC688N⊕	.44	.37	.30
381093CB	74HC688T⊕	.39	.324	.286
45891CB	74HC4017N⊕	.50	.46	.428
245091CB	74HC4020M⊕	.39	.21	.158
45903CB	74HC4020N⊕	.26	.183	.168
245104CB	74HC4040M⊕	.25	.21	.158
45920CB	74HC4040N⊕	.30	.24	.21
380787CB	74HC4040T⊕	.35	.299	.227

†**Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

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	DIP	CD74HC(T)XXXE	74HC(T)XXXN	MM74HC(T)XXXN	MC74HC(T)XXXN	M74HC(T)XXXBIR	74HC(T)XXXN	TC74HC(T)XXXAP
	SOIC	SN74HC(T)XXXD/DW	74HC(T)XXXM/WM	MM74HC(T)XXXM/WM	MC74HC(T)XXXD	M74HC(T)XXXMIR	74HC(T)XXXD	TC74HC(T)XXXAF/AFW
	SOIC	CD74HC(T)XXXM	74HC(T)XXXM/WM	MM74HC(T)XXXM/WM	MC74HC(T)XXXD	M74HC(T)XXXMIR	74HC(T)XXXD	TC74HC(T)XXXAF/AFW
	TSSOP	SN74HC(T)XXXPW	74HC(T)XXXT	MM74HC(T)XXXMTC	MC74HC(T)XXXDT	M74HC(T)XXXT	74HC(T)XXXPW	—

74HC Series (Continued) – HC family offers CMOS inputs with CMOS outputs

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DIP SOIC TSSOP

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74HC4046	SOIC-16	Phase locked loop w/ VCO	252460CB	CD74HC4046AM⊕	$.39	$.33	$.25
74HC4046	DIP-16	Phase locked loop w/ VCO	251694CB	CD74HC4046AE⊕	.47	.382	.29
74HC4046	TSSOP-16	Phase locked loop w/ VCO					
74HC4049	SOIC-16	Hex buffers inverting	252478CB	CD74HC4049M⊕	.34	.29	.25
74HC4049	DIP-16	Hex buffers inverting	272049CB	CD74HC4049E⊕	.42	.355	.29
74HC4049	TSSOP-16	Hex buffers inverting					
74HC4050	SOIC-16	Hex buffers non-inverting	252486CB	CD74HC4050M⊕	.40	.34	.26
74HC4050	DIP-16	Hex buffers non-inverting	272065CB	CD74HC4050E⊕	.45	.364	.276
74HC4050	TSSOP-16	Hex buffers non-inverting	380841CB	CD74HC4050PW⊕	.42	.355	.276
74HC4051	SOIC-16	8-channel analog multiplexer	252380CB	CD74HC4051M⊕	~~$.39~~ .36	.302	.227
74HC4051	DIP-16	8-channel analog multiplexer	251707CB	CD74HC4051E⊕	.36	.31	.26
74HC4051	TSSOP-16	8-channel analog multiplexer					
74HC4052	SOIC-16	Dual 4-channel analog multiplexer	252494CB	CD74HC4052M⊕	.38	.324	.243
74HC4052	DIP-16	Dual 4-channel analog multiplexer	272081CB	CD74HC4052E⊕	.48	.36	.273
74HC4052	TSSOP-16	Dual 4-channel analog multiplexer					
74HC4053	SOIC-16	Triple 2-channel analog multiplexer	252515CB	CD74HC4053M⊕	~~$.38~~ .36	.302	.227
74HC4053	DIP-16	Triple 2-channel analog multiplexer	272111CB	CD74HC4053E⊕	.44	.40	.276
74HC4053	TSSOP-16	Triple 2-channel analog multiplexer	380904CB	CD74HC4053PW⊕	.42	.355	.276
74HC4060	SOIC-16	14-stage asynch binary counter and oscillator	252419CB	SN74HC4060D⊕	.43	.355	.248
74HC4060	DIP-16	14-stage asynch binary counter and oscillator	251803CB	SN74HC4060N⊕	.30	.27	.25
74HC4060	TSSOP-16	14-stage asynch binary counter and oscillator	380921CB	SN74HC4060PW⊕	.42	.355	.313
74HC4066	SOIC-14	Quad bilateral analog switch	252435CB	SN74HC4066D⊕	.32	.237	.181
74HC4066	DIP-14	Quad bilateral analog switch	251811CB	SN74HC4066N⊕	.45	.364	.276
74HC4066	TSSOP-14	Quad bilateral analog switch	380947CB	SN74HC4066PW⊕	.42	.355	.276
74HC4316	SOIC-16	High speed quad analog switches w/ level translation	252566CB	CD74HC4316M⊕	.42	.36	.28
74HC4316	DIP-16	High speed quad analog switches w/ level translation	272145CB	CD74HC4316E⊕	.34	.282	.235
74HC4316	TSSOP-16	High speed quad analog switches w/ level translation	380963CB	CD74HC4316PW⊕	.42	.324	.286
74HC4514	DIP-24	4-to-16-line decoder/demultiplexer w/ input latch (.3"W)	318908CB	CD74HC4514EN⊕	.88	.83	.80
74HC4514	DIP-24	4-to-16-line decoder/demultiplexer w/ input latch (.6"W)	251820CB	CD74HC4514E⊕	1.69	1.54	1.40
74HC4538	SOIC-16	Dual retrig precision monostable multivibrator	252443CB	CD74HC4538M⊕	.30	.26	.227
74HC4538	DIP-16	Dual retrig precision monostable multivibrator	251838CB	CD74HC4538E⊕	.46	.421	.302

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Part No.	Cross Ref.	1	10	100
243900CB	74HC4046M⊕	$.35	$.30	$.225
45938CB	74HC4046N⊕	.44	.37	.269
380816CB	74HC4046T⊕	.35	.299	.252
243918CB	74HC4049M⊕	.31	.26	.195
272057CB	74HC4049N⊕	.39	.33	.25
380832CB	74HC4049T⊕	.31	.266	.235
243926CB	74HC4050M⊕	.36	.31	.23
272073CB	74HC4050N⊕	.41	.332	.252
380859CB	74HC4050T⊕	.39	.324	.252
243862CB	74HC4051M⊕	~~$.35~~ .33	.28	.21
88102CB	74HC4051N⊕	.36	.31	.23
380875CB	74HC4051T⊕	.39	.324	.252
245059CB	74HC4052M⊕	.35	.30	.225
272090CB	74HC4052N⊕	.44	.329	.249
380891CB	74HC4052T⊕	.39	.299	.227
245067CB	74HC4053M⊕	~~$.35~~ .33	.28	.21
272129CB	74HC4053N⊕	.40	.365	.252
380912CB	74HC4053T⊕	.39	.324	.252
243871CB	74HC4060M⊕	.39	.30	.23
45962CB	74HC4060N⊕	.33	.30	.27
380939CB	74HC4060T⊕	.39	.324	.286
243889CB	74HC4066M⊕	.29	.216	.157
45971CB	74HC4066N	.41	.332	.252
380955CB	74HC4066T⊕	.39	.324	.252
245112CB	74HC4316M⊕	.39	.33	.25
272153CB	74HC4316N⊕	.44	.374	.336
380971CB	74HC4316T⊕	.39	.324	.286
46009CB	74HC4514N (.3"W)⊕	.81	.69	.52
243897CB	74HC4538M⊕	.27	.23	.21
46017CB	74HC4538N⊕	.43	.39	.28

74HCT Series – HCT family offers TTL inputs with CMOS outputs

Quantity SAVE

DIP SOIC TSSOP

Texas Instruments – Save 6-20%

Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74HCT00	SOIC-14	Quad 2-input NAND gates	246393CB	SN74HCT00D⊕	✳	$.137	$.103
74HCT00	DIP-14	Quad 2-input NAND gates	246406CB	SN74HCT00N⊕	.26	.22	.165
74HCT00	TSSOP-14	Quad 2-input NAND gates	381149CB	SN74HCT00PW⊕	✳	.137	.12
74HCT02	SOIC-14	Quad 2-input NOR gates	268373CB	SN74HCT02D⊕	.31	.26	.20
74HCT02	DIP-14	Quad 2-input NOR gates	246414CB	SN74HCT02N⊕	.36	.291	.202
74HCT04	SOIC-14	Hex inverters	246369CB	SN74HCT04D⊕	✳	.137	.11
74HCT04	DIP-14	Hex inverters	246422CB	SN74HCT04N⊕	✳	.158	.134
74HCT04	TSSOP-14	Hex inverters	381165CB	SN74HCT04PW⊕	✳	.137	.12
74HCT08	SOIC-14	Quad 2-input AND gates	246078CB	SN74HCT08D⊕	✳	.137	.103
74HCT08	DIP-14	Quad 2-input AND gates	246431CB	SN74HCT08N⊕	.26	.19	.129
74HCT08	TSSOP-14	Quad 2-input AND gates	381181CB	SN74HCT08PW⊕	✳	.137	.12
74HCT10	DIP-14	Triple 3-input NAND gates					
74HCT11	DIP-14	Triple 3-input NAND gates	618054CB	CD74HCT11E⊕	.44	.349	.265

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✳ Minimum order 10 pieces

Part No.	Cross Ref.	1	10	100
246027CB	74HCT00M⊕	✳	$.125	$.094
44871CB	74HCT00N⊕	.24	.20	.19
381157CB	74HCT00T⊕	✳	.125	.109
268390CB	74HCT02M⊕	.28	.24	.18
44880CB	74HCT02N⊕	.33	.266	.185
246035CB	74HCT04M⊕	✳	.125	.101
44898CB	74HCT04N⊕	✳	.158	.118
381173CB	74HCT04T⊕	✳	.125	.125
246043CB	74HCT08M⊕	✳	.125	.094
44901CB	74HCT08N⊕	.24	.183	.118
381190CB	74HCT08T⊕	✳	.125	.109
618046CB	74HCT10⊕	.34	.279	.218

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-30%.

74HCT Series (Continued) – HCT family offers TTL inputs with CMOS outputs

Quantity SAVE

DIP  SOIC  TSSOP 

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✳ Minimum order 10 pieces

Base No.	Package	Description	TI – Save 6-20% Part No.	T.I. Product No.	1	10	100	Jameco Value Offering Part No.	Cross Ref.	1	10	100
74HCT14	SOIC-14	Hex Schmitt trigger inverters	246377CB	SN74HCT14D⊕	✳	$.155	$.116	246060CB	74HCT14M⊕	✳	$.141	$.106
74HCT14	DIP-14	Hex Schmitt trigger inverters	246449CB	SN74HCT14N⊕	.25	.21	.16	44935CB	74HCT14N ⊕	.23	.20	.15
74HCT14	TSSOP-14	Hex Schmitt trigger inverters	381229CB	SN74HCT14PW⊕	✳	.155	.138	381237CB	74HCT14T⊕	✳	.141	.126
74HCT32	SOIC-14	Quad 2-input OR gates	246318CB	SN74HCT32D⊕	✳	.137	.103	246123CB	74HCT32M⊕	✳	.125	.094
74HCT32	DIP-14	Quad 2-input OR gates	246457CB	SN74HCT32N⊕	.20	.173	.156	45057CB	74HCT32N⊕	✳	.158	.143
74HCT32	TSSOP-14	Quad 2-input OR gates	381325CB	SN74HCT32PW⊕	✳	.137	.12	381333CB	74HCT32T⊕	✳	.125	.109
74HCT74	SOIC-14	Dual D-type pos edge-trig flip-flops w/ clear and preset	246262CB	SN74HCT74D⊕	✳	.155	.116	246254CB	74HCT74M⊕	✳	.141	.106
74HCT74	DIP-14	Dual D-type pos edge-trig flip-flops w/ clear and preset	246465CB	SN74HCT74N⊕	.29	.25	.187	45137CB	74HCT74N ⊕	.26	.224	.202
74HCT74	TSSOP-14	Dual D-type pos edge-trig flip-flops w/ clear and preset	381472CB	SN74HCT74PW⊕	✳	.155	.138	381481CB	74HCT74T⊕	✳	.141	.126
74HCT86	SOIC-14	Quad 2-input exclusive OR gates	268411CB	CD74HCT86M⊕	.36	.32	.26	268429CB	74HCT86M⊕	.33	.29	.20
74HCT86	DIP-14	Quad 2-input exclusive OR gates	246473CB	CD74HCT86E⊕	.37	.31	.23	45145CB	74HCT86N⊕	.28	.22	.165
74HCT123	SOIC-16	Dual retrig. monostable multivibrators w/ reset	271951CB	CD74HCT123M⊕	.32	.27	.22	271960CB	74HCT123M⊕	.29	.26	.23
74HCT123	DIP-16	Dual retrig. monostable multivibrators w/ reset	246481CB	CD74HCT123E⊕	.30	.246	.239	88049CB	74HCT123N⊕	.30	.274	.227
74HCT125	SOIC-14	Quad 3-state bus buffers	271986CB	SN74HCT125D⊕	✳	.13	.095	271994CB	74HCT125M⊕	✳	.12	.089
74HCT125	DIP-14	Quad 3-state bus buffers	246490CB	SN74HCT125N⊕	.29	.237	.212	243192CB	74HCT125N⊕	.25	.21	.158
74HCT138	SOIC-16	3 to 8 decoder/demultiplexer	246385CB	SN74HCT138D⊕	.22	.19	.143	246051CB	74HCT138M⊕	.22	.19	.132
74HCT138	DIP-16	3 to 8 decoder/demultiplexer	246502CB	SN74HCT138N⊕	.40	.346	.304	44927CB	74HCT138N ⊕	.33	.282	.26
74HCT138	TSSOP-16	3 to 8 decoder/demultiplexer	381202CB	SN74HCT138PW⊕	.26	.218	.193	381211CB	74HCT138T⊕	.24	.199	.176
74HCT139	SOIC-16	2 to 4 decoder/demultiplexer	246289CB	SN74HCT139D⊕	.27	.23	.17	246271CB	74HCT139M⊕	.25	.21	.19
74HCT139	DIP-16	2 to 4 decoder/demultiplexer	246511CB	SN74HCT139N⊕	.33	.291	.239	63773CB	74HCT139N⊕	.30	.266	.218
74HCT154	DIP-24	4 to 16 decoder/demultiplexer	246521CB	CD74HCT154E⊕	1.15	.98	.73	88057CB	74HCT154N⊕	1.05	.89	.67
74HCT157	SOIC-16	Quad 2 to 1 data selectors/multiplexers	246300CB	SN74HCT157D⊕	.45	.38	.29	246297CB	74HCT157M⊕	.41	.35	.26
74HCT157	DIP-16	Quad 2 to 1 data selectors/multiplexers	272170CB	SN74HCT157N⊕	.34	.26	.22	272196CB	74HCT157N⊕	.31	.26	.20
74HCT164	SOIC-14	8-bit serial in/parallel out shift register	253016CB	CD74HCT164M⊕	.32	.27	.20	253024CB	74HCT164M⊕	.30	.26	.19
74HCT164	DIP-14	8-bit serial in/parallel out shift register	250819CB	CD74HCT164E⊕	.42	.355	.273	44978CB	74HCT164N⊕	.39	.324	.249
74HCT240	SOIC-20	Octal invert. buffer/line driver w/ 3-st. outputs	246351CB	SN74HCT240DW⊕	.28	.24	.18	246086CB	74HCT240WM⊕	.25	.21	.16
74HCT240	DIP-20	Octal invert. buffer/line driver w/ 3-st. outputs	250827CB	SN74HCT240N⊕	.26	.22	.18	45014CB	74HCT240N⊕	.32	.27	.20
74HCT240	TSSOP-20	Octal invert. buffer/line driver w/ 3-st. outputs	381253CB	SN74HCT240PW⊕	.28	.237	.202	381245CB	74HCT240T⊕	.28	.237	.202
74HCT244	SOIC-20	Octal buffer/line driver w/ 3-state outputs	246342CB	SN74HCT244DW⊕	.28	.24	.18	246094CB	74HCT244WM⊕	.25	.21	.16
74HCT244	DIP-20	Octal buffer/line driver w/ 3-state outputs	250835CB	SN74HCT244N⊕	.34	.29	.22	45022CB	74HCT244N ⊕	.31	.28	.25
74HCT244	TSSOP-20	Octal buffer/line driver w/ 3-state outputs	381261CB	SN74HCT244PW⊕	.28	.237	.202	381270CB	74HCT244T⊕	.25	.216	.185
74HCT245	SOIC-20	Octal bus transceiver w/ 3-state outputs	246334CB	SN74HCT245DW⊕	.25	.21	.16	246107CB	74HCT245WM⊕	.23	.20	.15
74HCT245	DIP-20	Octal bus transceiver w/ 3-state outputs	250843CB	SN74HCT245N⊕	.37	.319	.276	45031CB	74HCT245N ⊕	.34	.29	.22
74HCT245	TSSOP-20	Octal bus transceiver w/ 3-state outputs	381288CB	SN74HCT245PW⊕	.28	.237	.202	381296CB	74HCT245T⊕	.25	.216	.185
74HCT273	SOIC-20	Octal D-type flip-flop with clear	246326CB	SN74HCT273DW⊕	.28	.24	.18	246115CB	74HCT273WM⊕	.25	.21	.16
74HCT273	DIP-20	Octal D-type flip-flop with clear	250851CB	SN74HCT273N⊕	.32	.28	.267	45049CB	74HCT273N ⊕	.29	.257	.213
74HCT273	TSSOP-20	Octal D-type flip-flop with clear	381309CB	SN74HCT273PW⊕	.28	.237	.202	381317CB	74HCT273T⊕	.25	.216	.185
74HCT373	SOIC-20	Octal transparent D-type latches w/ 3-state outputs	246140CB	SN74HCT373DW⊕	.25	.21	.16	246131CB	74HCT373WM⊕	.23	.20	.15
74HCT373	DIP-20	Octal transparent D-type latches w/ 3-state outputs	250878CB	SN74HCT373N⊕	.37	.31	.232	45065CB	74HCT373N ⊕	.37	.31	.24
74HCT373	TSSOP-20	Octal transparent D-type latches w/ 3-state outputs						381350CB	74HCT373T⊕	.25	.216	.185
74HCT374	SOIC-20	Octal D-type flip-flop edge-trig. w/ 3-st. outputs	246166CB	SN74HCT374DW⊕	.28	.24	.18	246158CB	74HCT374WM⊕	.25	.21	.16
74HCT374	DIP-20	Octal D-type flip-flop edge-trig. w/ 3-st. outputs	250894CB	SN74HCT374N⊕	.31	.27	.203	45073CB	74HCT374N⊕	.29	.25	.188
74HCT374	TSSOP-20	Octal D-type flip-flop edge-trig. w/ 3-st. outputs	381368CB	SN74HCT374PW⊕	.28	.237	.202	381376CB	74HCT374T⊕	.25	.216	.185
74HCT393	DIP-14	Dual 4-stage binary counter	250907CB	CD74HCT393E⊕	.47	.355	.27	243205CB	74HCT393N⊕	.43	.324	.244
74HCT540	SOIC-20	Octal buffer/line driver w/ 3-state outputs	246182CB	SN74HCT540DW⊕	.29	.25	.225	246174CB	74HCT540WM⊕	.26	.22	.21
74HCT540	DIP-20	Octal buffer/line driver w/ 3-state outputs	250915CB	SN74HCT540N⊕	.50	.38	.294	109778CB	74HCT540N⊕	.46	.349	.269
74HCT540	TSSOP-20	Octal buffer/line driver w/ 3-state outputs						381405CB	74HCT540T⊕	.26	.224	.202
74HCT541	SOIC-20	Octal buffer/line driver w/ 3-state NOR gate enabled	246203CB	SN74HCT541DW⊕	.32	.282	.248	246191CB	74HCT541WM⊕	.30	.257	.227
74HCT541	DIP-20	Octal buffer/line driver w/ 3-state NOR gate enabled	250923CB	SN74HCT541N⊕	.25	.21	.16	99303CB	74HCT541N⊕	.25	.21	.16
74HCT541	TSSOP-20	Octal buffer/line driver w/ 3-state NOR gate enabled	381413CB	SN74HCT541PW⊕	.29	.246	.221	381421CB	74HCT541T⊕	.26	.224	.202
74HCT573	SOIC-20	Octal transparent D-type latches w/ 3-state outputs	246211CB	SN74HCT573DW⊕	.29	.25	.235	246220CB	74HCT573WM⊕	.26	.22	.20
74HCT573	DIP-20	Octal transparent D-type latches w/ 3-state outputs	250931CB	SN74HCT573N⊕	.38	.33	.25	45090CB	74HCT573N ⊕	.35	.30	.23
74HCT573	TSSOP-20	Octal transparent D-type latches w/ 3-state outputs						381448CB	74HCT573T⊕	.26	.224	.202
74HCT574	SOIC-20	Octal D-type F/F w/ 3-st. outputs flow thru	246246CB	SN74HCT574DW⊕	.27	.23	.173	246238CB	74HCT574WM⊕	.25	.21	.169
74HCT574	DIP-20	Octal D-type F/F w/ 3-st. outputs flow thru	250940CB	SN74HCT574N⊕	.43	.33	.25	45102CB	74HCT574N⊕	.39	.30	.23
74HCT574	TSSOP-20	Octal D-type F/F w/ 3-st. outputs flow thru						381456CB	74HCT574T⊕	.26	.224	.202
74HCT688	DIP-20	8-bit magnitude comparator	250958CB	CD74HCT688E⊕	.64	.52	.41	45129CB	74HCT688N⊕	.58	.49	.37

† **Note:** TI now owns GE, Harris & RCA logic; Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

74F Standard Logic

RoHS ℝ RoHS Compliant Product ⊕ RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-30%.

74FXXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	Philips
F	DIP	SN74FXXXN	74FXXXN	74FXXXPC	N74FXXXN
	SOIC	SN74FXXXD/DW	74FXXXD	74FXXXSC	N74FXXXD

74F Series – General purpose family of high speed advanced bipolar logic

Quantity SAVE Lower $$$ DIP SOIC

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				Texas Instruments – Save 6-20%			
74F00	SOIC-14	Quad 2-input NAND gates	282845CB	SN74F00D⊕	$.21	$.16	$.143
74F00	DIP-14	Quad 2-input NAND gates	281471CB	SN74F00N⊕	.21	.16	.14
74F02	SOIC-14	Quad 2-input NOR gates	282888CB	SN74F02D⊕	.24	.21	.17
74F02	DIP-14	Quad 2-input NOR gates	281480CB	SN74F02N⊕	.29	.24	.19
74F04	SOIC-14	Hex inverters	283071CB	SN74F04D⊕	.26	.23	.19
74F04	DIP-14	Hex inverters	281498CB	SN74F04N⊕	.24	.18	.15
74F08	SOIC-14	Quad 2-input AND gates	283080CB	SN74F08D⊕	.22	.18	.16
74F08	DIP-14	Quad 2-input AND gates	281501CB	SN74F08N⊕	.22	.18	.16
74F14	SOIC-14	Hex inverters w/ Schmitt trigger					
74F14	DIP-14	Hex inverters w/ Schmitt trigger					
74F20	DIP-14	Dual 4-input NAND gates	281527CB	SN74F20N⊕	.23	.20	.17
74F30	DIP-14	8-input NAND gate	281535CB	SN74F30N⊕	.47	.40	.285
74F32	SOIC-14	Quad 2-input OR gates	283098CB	SN74F32D⊕	.27	.24	.20
74F32	DIP-14	Quad 2-input OR gates	281543CB	SN74F32N⊕	.36	.30	.22
74F38	SOIC-14	Quad 2-input NAND buffers	283119CB	SN74F38D⊕	.22	.155	.138
74F38	DIP-14	Quad 2-input NAND buffers	281893CB	SN74F38N⊕	.25	.22	.20
74F74	SOIC-14	Quad 2-input NAND buffers w/ open coll. outputs	283135CB	SN74F74D⊕	.30	.264	.202
74F74	DIP-14	D-type flip-flop w/ clear	281906CB	SN74F74N⊕	.44	.36	.247
74F86	SOIC-14	Quad 2-input exclusive-OR gates	283143CB	SN74F86D⊕	.31	.264	.202
74F86	DIP-14	Quad 2-input exclusive-OR gates	281914CB	SN74F86N⊕	.36	.30	.21
74F125	SOIC-14	Quad bus buffer gates w/ 3-state outputs	283151CB	SN74F125D⊕	.37	.30	.23
74F125	DIP-14	Quad bus buffer gates w/ 3-state outputs	281922CB	SN74F125N⊕ ~~$.40~~	.27	.227	.171
74F132	SOIC-14	Quad 2-input NAND Schmitt triggers					
74F138	SOIC-16	3 to 8 decoder/demultiplexer	283186CB	SN74F138D⊕	.34	.27	.25
74F138	DIP-16	3 to 8 decoder/demultiplexer	281931CB	SN74F138N⊕	.42	.34	.26
74F139	DIP-16	1 of 4 decoder/demultiplexer					
74F148	SOIC-16	8 to 3 line priority encoder					
74F148	DIP-16	8 to 3 line priority encoder					
74F157	SOIC-16	2 to 1 data selector/multiplexers	283207CB	SN74F157AD⊕	.37	.30	.28
74F157	DIP-16	2 to 1 data selector/multiplexers	281949CB	SN74F157AN⊕ ~~$.42~~	.22	.184	.138
74F161	SOIC-16	Sync. 4-bit binary counter	283469CB	SN74F161AD⊕	.45	.34	.26
74F161	DIP-16	Sync. 4-bit binary counter	281957CB	SN74F161AN⊕	.42	.33	.30
74F163	DIP-16	Sync. 4-bit presettable binary counter	281965CB	SN74F163AN⊕ ~~$.55~~	.24	.205	.154
74F164	DIP-14	Shift register					
74F169	SOIC-16	4-bit up/down binary counter	283485CB	SN74F169D⊕	2.19	2.09	2.00
74F169	DIP-16	4-bit up/down binary counter	281973CB	SN74F169N⊕ ~~$.96~~	.59	.51	.378
74F174	DIP-16	Hex D-type flip-flop w/ clear	282693CB	SN74F174N⊕	.34	.27	.25
74F240	SOIC-20	Octal invert. buffer/driver with 3-state	283506CB	SN74F240DW⊕	.43	.328	.248
74F240	DIP-20	Octal invert. buffer/driver with 3-state	281981CB	SN74F240N⊕ ~~$.45~~	.36	.302	.227
74F244	SOIC-20	Octal buffer/driver with 3-state outputs	283514CB	SN74F244DW⊕	.52	.46	.36
74F244	DIP-20	Octal buffer/driver with 3-state outputs	281990CB	SN74F244N⊕	.45	.34	.26
74F245	SOIC-20	Octal bus transceiver with 3-state outputs	283549CB	SN74F245DW⊕	.45	.34	.26
74F245	DIP-20	Octal bus transceiver with 3-state outputs	282001CB	SN74F245N⊕	.45	.34	.26
74F257	SOIC-16	Quad 2 to 1 data selector/multi w/ 3-st. outputs	283565CB	SN74F257D⊕	.43	.34	.26

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✳ Minimum order 10 pieces

Part No.	Cross Ref.	1	10	100
287697CB	74F00D⊕	✳	$.141	$.119
286985CB	74F00N⊕	✳	.141	.126
287689CB	74F02D⊕	.21	.183	.148
286993CB	74F02N⊕	.25	.216	.151
287671CB	74F04D⊕	.23	.199	.168
287005CB	74F04N⊕	.21	.158	.119
287662CB	74F08D⊕	.20	.158	.143
287013CB	74F08N⊕	.20	.158	.129
287654CB	74F14D⊕	.22	.191	.176
287021CB	74F14N⊕	.22	.191	.159
287030CB	74F20N⊕	.21	.174	.149
245121CB	74F30N⊕	.41	.349	.252
287638CB	74F32D⊕	.24	.208	.176
287048CB	74F32N⊕	.20	.183	.16
283127CB	74F38D⊕	.20	.141	.126
245139CB	74F38N⊕	.30	.26	.198
287620CB	74F74D⊕	.27	.241	.171
287056CB	74F74N⊕	.39	.315	.199
287611CB	74F86D⊕	.28	.241	.185
287064CB	74F86N⊕	.32	.266	.185
283160CB	74F125D⊕	.33	.266	.202
245147CB	74F125N⊕ ~~$.35~~	.25	.21	.158
283178CB	74F132D⊕	.32	.257	.235
287566CB	74F138D⊕	.30	.241	.218
287072CB	74F138N⊕	.37	.299	.227
287081CB	74F139N⊕	.26	.216	.189
283194CB	74F148D⊕	.36	.315	.244
245163CB	74F148N⊕	.27	.23	.173
283215CB	74F157AD⊕	.33	.266	.244
245171CB	74F157AN⊕ ~~$.37~~	.20	.17	.128
283477CB	74F161AD⊕	.39	.299	.227
245180CB	74F161AN⊕	.37	.314	.236
245198CB	74F163AN⊕ ~~$.50~~	.22	.19	.143
245201CB	74F164AN⊕	.40	.299	.269
283493CB	74F169D⊕	.68	.56	.52
245219CB	74F169N⊕ ~~$.88~~	.55	.47	.35
282731CB	74F174N⊕	.30	.241	.218
287558CB	74F240D⊕	.39	.299	.227
245227CB	74F240N⊕ ~~$.39~~	.33	.28	.21
287540CB	74F244D⊕	.46	.407	.319
287110CB	74F244N⊕	.39	.299	.198
287531CB	74F245D⊕	.39	.299	.227
287144CB	74F245N⊕	.53	.402	.302
283557CB	74F257D⊕	.38	.299	.227

† **Note:** Fairchild now owns National Semi logic; and Philips now owns Signetics.

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22103CB

Part No.	Cross Ref.	Description	1	10	25
22103CB	JTC16⊕	16-pin (for 8, 14 and 16-pin ICs)	$6.95	$6.25	$5.59
22120CB	JTC20⊕	20-pin (for 18 and 20-pin ICs)	8.95	6.50	5.35
22162CB	JTC28⊕	28-pin (for 24 and 28-pin ICs)	10.95	9.95	8.95
22189CB	JTC40⊕	40-pin (for 32 and 40-pin ICs)	11.95	11.35	10.75

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74F257	DIP-16	Quad 2 to 1 data selector/multi w/ 3 -st. outputs	282044CB	SN74F257N⊕	$.34	$.28	$.26
74F273	DIP-20	Octal D-type flip-flop					
74F299	DIP-20	8-bit shift/storage register w/ 3-state outputs	282052CB	SN74F299N⊕	1.25	1.00	.76
74F373	SOIC-20	Octal transparent D-type latch w/ 3-state outputs	283590CB	SN74F373DW⊕	.44	.355	.267
74F373	DIP-20	Octal transparent D-type latch w/ 3-state outputs	282079CB	SN74F373N⊕	.60	.46	.35
74F374	SOIC-20	Octal edge trig. D-type flip-flop with 3-st. outputs	283602CB	SN74F374DW⊕	.43	.33	.25
74F374	DIP-20	Octal edge trig. D-type flip-flop with 3-st. outputs	282600CB	SN74F374N⊕	.40	.31	.257
74F521	SOIC-20	8-bit identity comparator	283670CB	SN74F521DW⊕	.50	.382	.294
74F521	DIP-20	8-bit identity comparator	282802CB	SN74F521N⊕	.78	.66	.53
74F541	SOIC-20	Octal buffer/driver with 3-state outputs	304961CB	SN74F541DW⊕	.72	.55	.41
74F541	DIP-20	Octal buffer/driver with 3-state outputs	282765CB	SN74F541N⊕	.74	.56	.43
74F543	SOIC-24	Octal reg. Transceiver w/ 3-state outputs	283611CB	SN74F543DW⊕	.95	.80	.62
74F543	DIP-24	Octal reg. Transceiver w/ 3-state outputs					
74F573	SOIC-20	Octal reg. Latch w/ 3-state outputs	283637CB	SN74F573DW⊕	.43	.328	.248
74F573	DIP-20	Octal reg. Latch w/ 3-state outputs	282642CB	SN74F573N⊕	.43	.328	.248
74F574	SOIC-20	D-type flip-flop with 3-state outputs	283645CB	SN74F574DW⊕	.43	.328	.304
74F574	DIP-20	D-type flip-flop with 3-state outputs	282669CB	SN74F574N⊕	.58	.437	.331
74F579	DIP-20	8-bit bidirectional counter					

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Part No.	Cross Ref.	1	10	100
245235CB	74F257N⊕	$.30	$.249	$.187
287099CB	74F273N⊕	.48	.415	.319
281463CB	74F299N⊕	1.15	.93	.71
287494CB	74F373D⊕	.40	.324	.244
287161CB	74F373N⊕	.45	.398	.302
287486CB	74F374D⊕	.39	.299	.227
287187CB	74F374N⊕	.35	.274	.23
283696CB	74F521D⊕	.46	.349	.269
282811CB	74F521N⊕	.69	.58	.47
283653CB	74F541D⊕	.66	.498	.378
282773CB	74F541N⊕	.66	.498	.378
283629CB	74F543D⊕	.86	.73	.59
245251CB	74F543N⊕	.83	.70	.56
287478CB	74F573D⊕	.39	.299	.198
287195CB	74F573N⊕	.39	.299	.199
287460CB	74F574D⊕	.39	.299	.198
287216CB	74F574N⊕	.53	.398	.302
245260CB	74F579N⊕	2.35	1.89	1.49

† **Note:** Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola.

74LSXXX CMOS Logic Competitive Cross Reference Guide

Family	Package	TI	Jameco	Fairchild	On Semi	Renesas
LS	DIP	SN74LSXXXN	74HC(T)XXXN	DM74LSXXXN	SN74LSXXXN	HD74LSXXXP
	SOIC	SN74LSXXXD/DW	74HC(T)XXXM	DM74LSXXXM/WM	SN74LSXXXD/DW	—

74LS Series – Low Power Schottky Logic

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Base No.	Package	Description	Part No.	T.I. Product No.	1	10	100
74LS00	SOIC-14	Quad 2-input NAND gate	308582CB	SN74LS00D⊕	✳	$.171	$.118
74LS00	DIP-14	Quad 2-input NAND gate	283725CB	SN74LS00N⊕	.45	.364	.276
74LS02	SOIC-14	Quad 2-input NOR gate	308603CB	SN74LS02D⊕	.45	.364	.276
74LS02	DIP-14	Quad 2-input NOR gate	283741CB	SN74LS02N⊕	.43	.328	.248
74LS03	DIP-14	Quad 2-input NAND gate (O.C.)	283784CB	SN74LS03N⊕	.45	.364	.276
74LS04	SOIC-14	Hex inverter	308611CB	SN74LS04D⊕	.36	.302	.227
74LS04	DIP-14	Hex inverter	283792CB	SN74LS04N⊕	.45	.364	.276
74LS05	SOIC-14	Hex inverter (O.C.)	308620CB	SN74LS05D⊕	~~$.45~~ .35	.292	.219
74LS05	DIP-14	Hex inverter (O.C.)	283805CB	SN74LS05N⊕	.45	.364	.276
74LS06	SOIC-14	Hex inverter buffer/driver (O.C.)	309067CB	SN74LS06D⊕	.70	.59	.478
74LS06	DIP-14	Hex inverter buffer/driver (O.C.)	295304CB	SN74LS06N⊕	.70	.59	.478
74LS07	SOIC-14	Hex buffer/driver (O.C. hi-voltage)	308638CB	SN74LS07D⊕	.71	.61	.47
74LS07	DIP-14	Hex buffer/driver (O.C. hi-voltage)	295312CB	SN74LS07N⊕	.60	.58	.46
74LS08	SOIC-14	Quad 2-input AND gate	308654CB	SN74LS08D⊕	~~$.45~~ .30	.259	.194
74LS08	DIP-14	Quad 2-input AND gate	295401CB	SN74LS08N⊕	.45	.364	.276
74LS09	SOIC-14	Quad 2-input AND gate (O.C.)	309083CB	SN74LS09D⊕	.45	.364	.276
74LS09	DIP-14	Quad 2-input AND gate (O.C.)	295419CB	SN74LS09N⊕	.56	.428	.322
74LS10	SOIC-14	Triple 3-input NAND gate					
74LS10	DIP-14	Triple 3-input NAND gate	295427CB	SN74LS10N⊕	.45	.364	.276
74LS11	SOIC-14	Triple 3-input AND gate					
74LS11	DIP-14	Triple 3-input AND gate	295443CB	SN74LS11N⊕	.45	.364	.275
74LS14	SOIC-14	Hex inverter Schmitt trigger	308849CB	SN74LS14D⊕	.41	.327	.248
74LS14	DIP-14	Hex inverter Schmitt trigger	295460CB	SN74LS14N⊕	.41	.328	.248

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Part No.	Cross Ref.	1	10	100
198361CB	74LS00M⊕	✳	$.158	$.109
46252CB	74LS00N** ⊕	.41	.27	.24
198379CB	74LS02M⊕	.27	.23	.173
46287CB	74LS02N** ⊕	.41	.25	.21
46308CB	74LS03N ⊕	.41	.33	.25
198387CB	74LS04M⊕	~~$.41~~ .33	.28	.21
46316CB	74LS04N** ⊕	.41	.26	.23
198395CB	74LS05M⊕	~~$.41~~ .32	.27	.203
46341CB	74LS05N* ⊕	.41	.332	.252
309075CB	74LS06M⊕	.64	.54	.437
46359CB	74LS06N ⊕	.64	.54	.437
198408CB	74LS07M⊕	.66	.56	.36
46367CB	74LS07N ⊕	.55	.49	.42
198416CB	74LS08M⊕	~~$.41~~ .28	.24	.18
46375CB	74LS08N** ⊕	.36	.31	.22
309091CB	74LS09M⊕	.41	.332	.252
46391CB	74LS09N ⊕	.54	.365	.277
198424CB	74LS10M⊕	.41	.332	.249
46404CB	74LS10N* ⊕	.38	.25	.23
198432CB	74LS11M⊕	.43	.33	.25
46439CB	74LS11N*⊕	.35	.26	.22
198441CB	74LS14M⊕	.37	.299	.224
46640CB	74LS14N* ⊕	.37	.299	.227

† **Note:** Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola; Renesas is the new company formed by the merger of Mitsubishi and Hitachi

***10 pcs. in 74LS series IC cabinet kit, pg 30** ****20 pcs. in 74LS series IC cabinet kit, pg 30**

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Base No.	Package	Description	Texas Instruments – Save 6-20% Part No.	T.I. Product No.	1	10	100
74LS20	SOIC-14	Dual 4-input NAND gate					
74LS20	DIP-14	Dual 4-input NAND gate	295478CB	SN74LS20N ⊕	$.31	$.209	$.202
74LS21	DIP-14	Dual 4-input AND gate	295486CB	SN74LS21N ⊕	.27	.237	.202
74LS27	DIP-14	Triple 3-input NOR gate	295494CB	SN74LS27N ⊕	.45	.364	.276
74LS30	SOIC-14	8-input NAND gate					
74LS30	DIP-14	8-input NAND gate	295507CB	SN74LS30N ⊕	.45	.364	.276
74LS32	SOIC-14	Quad 2-input OR gate	308873CB	SN74LS32D ⊕	.45	.364	.276
74LS32	DIP-14	Quad 2-input OR gate	295515CB	SN74LS32N ⊕	.31	.28	.248
74LS37	DIP-14	Quad 2-input NAND gate buffer	295558CB	SN74LS37N ⊕	.59	.482	.442
74LS38	DIP-14	Quad 2-input NAND gate buffer (O.C.)	295566CB	SN74LS38N ⊕	.36	.246	.239
74LS42	DIP-16	BCD-to-decimal decoder/driver	295574CB	SN74LS42N ⊕	1.29	.92	.83
74LS47	DIP-16	BCD to 7-seg. decoder/driver (O.C.)	295582CB	SN74LS47N ⊕	.77	.58	.539
74LS48	DIP-16	BCD to 7-seg. decoder/driver					
74LS73	DIP-14	Dual JK flip-flop with clear, center VCC/GND	295700CB	SN74LS73AN ⊕	1.09	.96	.77
74LS74	SOIC-14	Dual D flip-flop	308881CB	SN74LS74AD ⊕	.45	.364	.276
74LS74	DIP-14	Dual D flip-flop	295726CB	SN74LS74AN ⊕	.45	.364	.276
74LS75	SOIC-16	4-bit bi-stable latch					
74LS75	DIP-16	4-bit bi-stable latch	295734CB	SN74LS75N ⊕	.95	.89	.82
74LS76	DIP-16	Dual JK flip-flop with preset and clear					
74LS83	DIP-16	4-bit binary full adder					
74LS85	SOIC-16	4-bit magnitude comparator	308902CB	SN74LS85D ⊕	~~$.68~~ .40	.36	.324
74LS85	DIP-16	4-bit magnitude comparator	295742CB	SN74LS85N ⊕	.46	.419	.363
74LS86	SOIC-14	Quad Exclusive-OR gate	308911CB	SN74LS86AD ⊕	~~$.45~~ .42	.356	.268
74LS86	DIP-14	Quad Exclusive-OR gate	295751CB	SN74LS86AN ⊕	.38	.324	.238
74LS90	SOIC-14	Decade counter					
74LS90	DIP-14	Decade counter	295769CB	SN74LS90N ⊕	.53	.486	.421
74LS92	DIP-14	Divide-by-12 counter	295814CB	SN74LS92N ⊕	1.15	.98	.74
74LS93	SOIC-14	4-bit binary counter					
74LS93	DIP-14	4-bit binary counter	295822CB	SN74LS93N ⊕	.95	.85	.76
74LS95	DIP-14	4-bit parallel-access shift register					
74LS107	DIP-14	Dual JK flip-flop with clear	295865CB	SN74LS107AN ⊕	.79	.72	.66
74LS109	SOIC-16	Dual JK pos. edge-trig. flip-flop	309104CB	SN74LS109AD ⊕	.65	.491	.373
74LS109	DIP-16	Dual JK pos. edge-trig. flip-flop	295873CB	SN74LS109AN ⊕	.65	.64	.497
74LS112	DIP-16	Dual JK neg. edge-trig. flip-flop	300855CB	SN74LS112AN ⊕	.43	.328	.248
74LS122	DIP-14	Retrig. mono. multivibrator comm. CLK	300863CB	SN74LS122N ⊕	.50	.382	.289
74LS123	SOIC-16	Dual mono. multivibrator with clear	308937CB	SN74LS123D ⊕	.59	.457	.345
74LS123	DIP-16	Dual mono. multivibrator with clear	300880CB	SN74LS123N ⊕	.50	.382	.289
74LS125	SOIC-14	Quad 3-state buffer	308945CB	SN74LS125AD ⊕	.50	.382	.29
74LS125	DIP-14	Quad bus buffer neg. enable tri-state	300901CB	SN74LS125AN ⊕	.36	.309	.285
74LS126	SOIC-14	Quad bus buffer tri-state	309121CB	SN74LS126AD ⊕	.50	.382	.29
74LS126	DIP-14	Quad bus buffer tri-state	300927CB	SN74LS126AN ⊕	.50	.382	.289
74LS132	DIP-14	Quad 2-input NAND Schmitt trigger	300935CB	SN74LS132N ⊕	.54	.41	.311
74LS136	DIP-14	Quad EXCLUSIVE-OR gate (O.C.)	301225CB	SN74LS136N ⊕	.58	.437	.331
74LS138	SOIC-16	3 to 8 decoder/demultiplexer	308953CB	SN74LS138D ⊕	~~$.50~~ .45	.339	.276
74LS138	DIP-16	3 to 8 decoder/demultiplexer	301233CB	SN74LS138N ⊕	.50	.382	.29
74LS139	SOIC-16	2 to 4 decoder/demultiplexer	309147CB	SN74LS139AD ⊕	.41	.328	.294
74LS139	DIP-16	2 to 4 decoder/demultiplexer	301268CB	SN74LS139AN ⊕	.50	.421	.313
74LS145	SOIC-16	BCD-to-decimal decoder/driver (O.C.)	309163CB	SN74LS145D ⊕	.37	.319	.294
74LS145	DIP-16	BCD-to-decimal decoder/driver (O.C.)	301276CB	SN74LS145N ⊕	.79	.60	.46
74LS148	DIP-16	8 to 3 priority encoder	301330CB	SN74LS148N ⊕	.85	.73	.59
74LS151	SOIC-16	8-input multiplexer					
74LS151	DIP-16	8-input multiplexer	301348CB	SN74LS151N ⊕	.50	.382	.29
74LS153	DIP-16	Dual 4-to-1 selector/multiplexer	301532CB	SN74LS153N ⊕	.45	.396	.263
74LS154	DIP-24	4 to 16 line decoder/demultiplexer					
74LS155	DIP-16	Dual 2/4 demultiplexer	301559CB	SN74LS155AN ⊕	.81	.60	.55
74LS156	DIP-16	Dual 2/4 demultiplexer (O.C.)	301591CB	SN74LS156N ⊕	.39	.309	.29
74LS157	SOIC-16	Quad 2/1 data selector	308970CB	SN74LS157D ⊕	.38	.324	.243
74LS157	DIP-16	Quad 2/1 data selector	301612CB	SN74LS157N ⊕	.50	.382	.29
74LS160	DIP-16	Decade counter with asynch. clear					

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Part No.	Cross Ref.	1	10	100
198459CB	74LS20M	~~$.51~~ $.25	$.222	$.20
47095CB	74LS20N* ⊕	.28	.191	.185
47108CB	74LS21N ⊕	.28	.25	.21
47378CB	74LS27N ⊕	.25	.21	.158
198467CB	74LS30M	✳	.144	.13
47458CB	74LS30N* ⊕	.37	.30	.23
198475CB	74LS32M ⊕	.41	.332	.249
47466CB	74LS32N** ⊕	.29	.26	.23
47597CB	74LS37N ⊕	.54	.46	.34
47693CB	74LS38N ⊕	.33	.224	.202
47773CB	74LS42N ⊕	.76	.65	.54
47790CB	74LS47N* ⊕	.72	.52	.45
47811CB	74LS48N	4.99	4.24	3.18
47992CB	74LS73N* ⊕	.37	.338	.238
198491CB	74LS74M ⊕	.41	.332	.252
48004CB	74LS74N** ⊕	.36	.25	.22
198504CB	74LS75M	~~$.68~~ .26	.233	.21
48021CB	74LS75N* ⊕	.86	.73	.66
48039CB	74LS76N	.83	.68	.61
48063CB	74LS83N	1.49	1.35	1.19
198512CB	74LS85M	~~$.62~~ .37	.333	.30
48071CB	74LS85N* ⊕	.42	.382	.345
198521CB	74LS86M ⊕	.39	.33	.248
48098CB	74LS86N* ⊕	.35	.30	.22
198539CB	74LS90M	.70	.52	.383
48119CB	74LS90N* ⊕	.49	.45	.39
48143CB	74LS92N ⊕	.99	.76	.63
198547CB	74LS93M	.56	.476	.357
48151CB	74LS93N* ⊕	.89	.79	.70
48178CB	74LS95N	1.05	.91	.79
46412CB	74LS107N ⊕	.72	.51	.36
309112CB	74LS109M ⊕	.59	.448	.34
46421CB	74LS109N ⊕	.73	.58	.43
46447CB	74LS112N ⊕	.39	.299	.227
46471CB	74LS122N ⊕	.46	.35	.27
198555CB	74LS123M ⊕	.55	.423	.319
46480CB	74LS123N* ⊕	.45	.35	.27
243168CB	74LS125AM ⊕	.44	.37	.28
46501CB	74LS125N* ⊕	.33	.282	.26
309139CB	74LS126AM ⊕	.46	.349	.265
46527CB	74LS126N ⊕	.37	.345	.253
46551CB	74LS132N ⊕	.49	.369	.298
46586CB	74LS136N ⊕	.53	.40	.30
198563CB	74LS138M ⊕	~~$.46~~ .42	.314	.256
46607CB	74LS138N** ⊕	.45	.35	.26
309155CB	74LS139AM ⊕	.37	.299	.265
46623CB	74LS139N* ⊕	.37	.291	.239
309171CB	74LS145M ⊕	.34	.291	.269
46666CB	74LS145N ⊕	.73	.55	.423
46682CB	74LS148N ⊕	.79	.68	.55
198571CB	74LS151M ⊕	.31	.26	.195
46703CB	74LS151N* ⊕	.45	.349	.269
46720CB	74LS153N ⊕	.41	.35	.26
46738CB	74LS154N ⊕	5.15	4.59	3.69
46754CB	74LS155N* ⊕	.85	.72	.54
46762CB	74LS156N ⊕	.35	.282	.212
198580CB	74LS157M ⊕	.35	.30	.225
46771CB	74LS157N* ⊕	.45	.40	.33
46800CB	74LS160N	2.49	2.39	2.29

† **Note:** Fairchild now owns National Semi logic; Philips now owns Signetics; and On Semi is also known as Motorola; Renesas is the new company formed by the merger of Mitsubishi and Hitachi

*10 pcs. in 74LS series IC cabinet kit, pg 30 **20 pcs. in 74LSseries IC cabinet kit, pg 30

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Base No.	Package	Description	TI – Save 6-20% Part No.	T.I. Product No.	1	10	100	Part No.	Cross Ref.	1	10	100
74LS161	DIP-16	Synch 4-bit counter	301647CB	SN74LS161AN⊕	$.50	$.382	$.29	46818CB	74LS161N⊕	$.46	$.349	$.265
74LS163	DIP-16	Fully synch. 4-bit counter	301663CB	SN74LS163AN⊕	.50	.382	.29	46842CB	74LS163N⊕	.46	.349	.265
74LS164	SOIC-14	8-bit serial shift register	309180CB	SN74LS164D⊕	.50	.414	.373	309198CB	74LS164M⊕	.46	.349	.265
74LS164	DIP-14	8-bit serial shift register	301671CB	SN74LS164N⊕	.47	.382	.29	46851CB	74LS164N⊕	.43	.36	.27
74LS165	DIP-16	8-bit serial shift register, parallel load	301680CB	SN74LS165AN⊕	.45	.364	.275	46877CB	74LS165N⊕	.37	.34	.277
74LS166	DIP-16	8-bit shift register, parallel load	301727CB	SN74LS166AN⊕	.79	.60	.455	46885CB	74LS166N⊕	.71	.54	.41
74LS169	DIP-16	Synch. binary up/down counter	301735CB	SN74LS169BN⊕	.65	.491	.373	46906CB	74LS169N⊕	.61	.47	.35
74LS173	DIP-16	4-bit D-type reg. tri-state	301743CB	SN74LS173AN⊕	.91	.90	.89	46922CB	74LS173N⊕	.82	.81	.80
74LS174	DIP-16	Hex D flip-flop with clear	301760CB	SN74LS174N⊕	.49	.328	.29	46931CB	74LS174N*⊕	.46	.299	.265
74LS175	DIP-16	Quad D flip-flop with clear	301778CB	SN74LS175N⊕	.29	.246	.23	46957CB	74LS175N*⊕	.26	.249	.21
74LS181	DIP-24	Arithmetic logic unit/function generator	301786CB	SN74LS181N⊕	4.19	3.54	2.56	46973CB	74LS181N⊕	1.95	1.64	1.11
74LS190	DIP-16	Synchronous up/down counter						46990CB	74LS190N	2.95	2.65	2.55
74LS191	DIP-16	Up/down binary counter	301815CB	SN74LS191N⊕	.58	.482	.455	47001CB	74LS191N⊕	.53	.44	.42
74LS192	DIP-16	Decade up/down counter with clear						47010CB	74LS192N	3.95	3.59	3.25
74LS193	SOIC-16	Binary up/down counter with clear						198598CB	74LS193M⊕	1.00	.85	.64
74LS193	DIP-16	Binary up/down counter with clear	301831CB	SN74LS193N⊕	.64	.53	.486	47036CB	74LS193N*⊕	.59	.49	.45
74LS194	DIP-16	4-bit bi-directional shift register	301858CB	SN74LS194AN⊕	.81	.68	.55	47052CB	74LS194N⊕	.74	.63	.50
74LS195	DIP-16	4-bit parallel-access shift register						47061CB	74LS195N⊕	.93	.80	.72
74LS221	SOIC-16	Dual monostable multivibrator	308988CB	SN74LS221D⊕	~~$.79~~ .69	.58	.50	243176CB	74LS221M⊕	~~$.72~~ .64	.54	.405
74LS221	DIP-16	Dual mono. multivibrator Schmitt trigger	308283CB	SN74LS221N⊕	.36	.29	.276	47124CB	74LS221N⊕	.33	.267	.25
74LS240	SOIC-20	Octal invert. line driver tri-state	309008CB	SN74LS240DW⊕	~~$.58~~ .42	.356	.275	198619CB	74LS240M⊕	~~$.53~~ .39	.33	.255
74LS240	DIP-20	Octal invert. line driver tri-state	308291CB	SN74LS240N⊕	.37	.328	.313	47141CB	74LS240N*⊕	.42	.34	.33
74LS241	DIP-20	Octal bus/line driver tri-state	308304CB	SN74LS241N⊕	.40	.328	.304	47167CB	74LS241N⊕	.36	.299	.23
74LS244	SOIC-20	Octal driver tri-state	309016CB	SN74LS244DW⊕	~~$.58~~ .43	.367	.281	198627CB	74LS244M⊕	~~$.53~~ .40	.34	.26
74LS244	DIP-20	Octal driver tri-state	308312CB	SN74LS244N⊕	.48	.40	.331	47183CB	74LS244N*⊕	.44	.37	.28
74LS245	SOIC-20	Octal bus transceiver tri-state	309024CB	SN74LS245DW⊕	.46	.40	.302	198635CB	74LS245M⊕	.44	.37	.28
74LS245	DIP-20	Octal bus transceiver tri-state	308321CB	SN74LS245N⊕	.58	.437	.378	47212CB	74LS245N*⊕	.53	.40	.35
74LS247	DIP-16	BCD to 7-segment decoder/driver (O.C.)	308347CB	SN74LS247N⊕	1.05	.87	.70	47247CB	74LS247N⊕	.94	.80	.62
74LS251	DIP-16	8-channel multiplexer tri-state	308355CB	SN74LS251N⊕	.59	.437	.351	47271CB	74LS251N⊕	.53	.398	.299
74LS257	DIP-16	Quad 2-input multiplexer tri-state	308363CB	SN74LS257BN⊕	.61	.464	.352	47298CB	74LS257N⊕	.69	.53	.40
74LS259	DIP-16	8-bit addressable latch	308371CB	SN74LS259BN⊕	.51	.391	.359	47327CB	74LS259N⊕	.47	.357	.328
74LS266	DIP-14	Quad EXCLUSIVE-NOR gate (O.C.)	308380CB	SN74LS266N⊕	.72	.60	.54	47360CB	74LS266N⊕	.65	.498	.378
74LS273	SOIC-20	Octal D-type flip-flop with clear	309032CB	SN74LS273DW⊕	.71	.54	.34	198643CB	74LS273M⊕	.66	.50	.375
74LS273	DIP-20	Octal D-type flip-flop with clear	308398CB	SN74LS273N⊕	.58	.437	.331	47386CB	74LS273N*⊕	.45	.357	.276
74LS279	DIP-16	Quad set-reset latches	308401CB	SN74LS279AN⊕	.55	.428	.368	47407CB	74LS279N⊕	.50	.41	.319
74LS283	DIP-16	4-bit binary full add with fast carry	308435CB	SN74LS283N⊕	.44	.428	.405	47423CB	74LS283N⊕	.53	.52	.47
74LS299	DIP-20	8-bit universal shift/storage register	308427CB	SN74LS299N⊕	1.05	.96	.54	47440CB	74LS299N⊕	.93	.79	.59
74LS365	DIP-16	Hex buffer with logical OR tri-state	308443CB	SN74LS365AN⊕	.86	.73	.59	47546CB	74LS365N⊕	.77	.66	.54
74LS367	DIP-16	Hex buffer tri-state	308451CB	SN74LS367AN⊕	.47	.382	.35	47562CB	74LS367N⊕	.42	.38	.285
74LS368	DIP-16	Hex bus driver w/ tri-state	309278CB	SN74ALS368AN⊕	.42	.364	.34	309286CB	74ALS368AN⊕	.39	.332	.311
74LS373	SOIC-20	Octal D flip-flop tri-state	309041CB	SN74LS373DW⊕	.45	.34	.258	198651CB	74LS373M⊕	.42	.315	.239
74LS373	DIP-20	Octal D flip-flop tri-state	308460CB	SN74LS373N⊕	.49	.421	.378	47600CB	74LS373N*⊕	.45	.39	.35
74LS374	SOIC-20	Octal D F/F edge-trig tri-state	309059CB	SN74LS374DW⊕	~~$.58~~ .42	.356	.27	198660CB	74LS374M⊕	~~$.53~~ .39	.33	.25
74LS374	DIP-20	Octal D F/F edge-trig tri-state	308478CB	SN74LS374N⊕	.49	.421	.367	47634CB	74LS374N*⊕	.45	.39	.34
74LS377	DIP-20	Octal D register common enable	308486CB	SN74LS377N⊕	.81	.68	.55	47669CB	74LS377N⊕	.31	.20	.15
74LS390	DIP-16	Dual 4-bit decade counter	308494CB	SN74LS390N⊕	.77	.64	.53	47722CB	74LS390N⊕	.69	.59	.44
74LS393	SOIC-16	Dual 4-bit binary counter						243184CB	74LS393M⊕	.79	.60	.50
74LS393	DIP-14	Dual 4-bit binary counter	308507CB	SN74LS393N⊕	.57	.455	.432	47731CB	74LS393N ⊕	.54	.46	.34
74LS423	DIP-14	Retrig monostable multivibrator	309294CB	SN74LS423N⊕	1.05	.87	.76	309307CB	74LS423AN⊕	.95	.79	.69
74LS540	DIP-20	Octal invert. buffer/line driver tri-state	308515CB	SN74LS540N⊕	.76	.64	.515	47861CB	74LS540N ⊕	.69	.59	.47
74LS541	SOIC-20	Octal buffer/line driver tri-state	309227CB	SN74LS541DW⊕	.60	.455	.414	309235CB	74LS541WM⊕	.55	.415	.378
74LS541	DIP-20	Octal buffer/line driver tri-state	308523CB	SN74LS541N⊕	.50	.41	.368	47870CB	74LS541N⊕	.46	.39	.29
74LS573	DIP-20	Octal D-type F/F latch tri-state						64418CB	74LS573N	2.05	1.85	1.55
74LS574	DIP-20	Octal D-type F/F edge-trig. tri-state						64426CB	74LS574N	2.15	1.89	1.69
74LS590	DIP-16	8-bit binary counter w/o reg. tri-state	308531CB	SN74LS590N⊕	4.99	4.05	3.65	47909CB	74LS590N⊕	4.55	3.65	2.74
74LS595	DIP-16	8-bit serial-to-parallel shift reg. tri-state	308540CB	SN74LS595N⊕	5.69	4.82	3.62	103974CB	74LS595N⊕	5.25	4.46	3.35
74LS645	DIP-20	Octal bus transceiver tri-state (O.C.)	308558CB	SN74LS645-1N⊕	1.79	1.44	1.10	47950CB	74LS645N⊕	1.59	1.31	1.00
74LS682	DIP-20	8-bit magnitude comparator	309251CB	SN74LS682N⊕	1.19	.956	.73	309260CB	74LS682N⊕	1.05	.86	.66
74LS688	DIP-20	8-bit magnitude comparator	308574CB	SN74LS688N⊕	.87	.83	.76	47984CB	74LS688N⊕	.80	.68	.51

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*10 pcs. in 74LS series IC cabinet kit, pg 30

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Part No.	Cross Ref.	Pkg.	Description	1	10	100
309868CB	74ALS00AM⊕	SOIC-14	Quad 2-input NAND gates	$.22	$.191	$.176
245294CB	74ALS00AN⊕	DIP-14	Quad 2-input NAND gates	.39	.30	.23
309905CB	74ALS02AM⊕	SOIC-14	Quad 2-input NOR gates	.31	.274	.202
43959CB	74ALS02N⊕	DIP-14	Quad 2-input NOR gates	.30	.27	.22
309948CB	74ALS04BM⊕	SOIC-14	Hex inverters	.31	.274	.198
245307CB	74ALS04BN⊕	DIP-14	Hex inverters	~~$.38~~ .30	.26	.195
309972CB	74ALS05AM⊕	SOIC-14	Hex inverters w/ open collector outputs	.31	.274	.202
245286CB	74ALS05AN⊕	DIP-14	Hex inverters w/ open collector outputs	.38	.33	.23
310009CB	74ALS08M⊕	SOIC-14	Quad 2-input AND gates	.31	.274	.198
43983CB	74ALS08N⊕	DIP-14	Quad 2-input AND gates	.28	.25	.21
310025CB	74ALS10AM⊕	SOIC-14	Triple 3-input NAND gates	.27	.257	.227
245315CB	74ALS10AN⊕	DIP-14	Triple 3-input NAND gates	.45	.38	.285
310041CB	74ALS11AM⊕	SOIC-14	Triple 3-input AND gates	.31	.274	.202
245323CB	74ALS11AN⊕	DIP-14	Triple 3-input AND gates	.43	.38	.28
310068CB	74ALS27M⊕	SOIC-14	Triple 3-input NOR gates	.33	.282	.218
63503CB	74ALS27N⊕	DIP-14	Triple 3-input NOR gates	.26	.22	.165
245796CB	74ALS30AN⊕	DIP-14	8-input NAND gate	.42	.36	.27
310084CB	74ALS32M⊕	SOIC-14	Quad 2-input OR gates	.23	.133	.126
44134CB	74ALS32N⊕	DIP-14	Quad 2-input OR gates	.40	.32	.23
310113CB	74ALS74AM⊕	SOIC-14	Dual D-pos. edge-trig. flip-flops w/ preset & clear	.21	.166	.143
245892CB	74ALS74AN⊕	DIP-14	Dual D-pos. edge-trig. flip-flops w/ preset & clear	.39	.30	.225
310156CB	74ALS86M⊕	SOIC-14	Quad 2-input exclusive OR gates	.37	.299	.227
44214CB	74ALS86N⊕	DIP-14	Quad 2-input exclusive OR gates	.25	.21	.17
310199CB	74ALS138M⊕	SOIC-16	3 to 8 line decoder/demultiplexer	.46	.349	.269
309614CB	74ALS138N⊕	DIP-16	3 to 8 line decoder/demultiplexer	.46	.349	.265
310228CB	74ALS139M⊕	SOIC-16	2 to 4 line decoder/demultiplexer	.44	.349	.297
309649CB	74ALS139N⊕	DIP-16	2 to 4 line decoder/demultiplexer	.59	.448	.336
245754CB	74ALS151N⊕	DIP-16	1 of 8 line data selector/multiplexer	.48	.37	.29
309761CB	74ALS161BN⊕	DIP-16	4-bit decade/binary counter	.42	.34	.283
309702CB	74ALS174N⊕	DIP-8	Quad D-type flip-flops w/ clear	.53	.398	.302
309729CB	74ALS175N⊕	DIP-16	Quad D-type flip-flops w/ clear	.52	.398	.302
310261CB	74ALS240AM⊕	SOIC-20	Octal invert. 3-state bus drivers	.39	.315	.294
245753CB	74ALS240AN⊕	DIP-20	Octal invert. 3-state bus drivers	.63	.48	.36
310295CB	74ALS244AM⊕	SOIC-20	Octal 3-state bus drivers	.59	.448	.336
245761CB	74ALS244AN⊕	DIP-20	Octal 3-state bus drivers	.53	.41	.30
310332CB	74ALS245AM⊕	SOIC-20	Octal 3-state bus transceivers	.59	.448	.336
245770CB	74ALS245AN⊕	DIP-20	Octal 3-state bus transceivers	.50	.42	.315
44100CB	74ALS251N⊕	DIP-16	3-st. 1 of 8 line data selector/multiplexer	.58	.49	.37
245788CB	74ALS258N⊕	DIP-20	3-st. quad 1 of 2 line data selector/multip. (inverting)	.67	.57	.43
310359CB	74ALS273M⊕	SOIC-20	Octal D-type edge-trig. flip-flops w/ clear inputs	.71	.60	.454
44118CB	74ALS273N⊕	DIP-20	Octal D-type edge-trig. flip-flops w/ clear inputs	.62	.53	.40
310421CB	74ALS373M⊕	SOIC-20	Octal D-type 3-st. transparent latches	.59	.448	.34
44142CB	74ALS373N⊕	DIP-20	Octal D-type 3-st. transparent latches	.34	.29	.22
310455CB	74ALS374M⊕	SOIC-20	Octal 3-st. D-type edge-trig. flip-flops	.41	.357	.328
245809CB	74ALS374AN⊕	DIP-20	Octal 3-st. D-type edge-trig. flip-flops	~~$.49~~ .29	.25	.188
310471CB	74ALS520M⊕	SOIC-20	8-bit comparator	1.12	.90	.77
245817CB	74ALS520N⊕	DIP-20	8-bit comparator	~~$1.12~~ .66	.56	.42
245825CB	74ALS521N⊕	DIP-20	8-bit comparator with pullup resistors	~~$1.37~~ .66	.56	.49
245833CB	74ALS533N⊕	DIP-20	Octal D-type transparent latches w/ 3-st. outputs	~~$1.21~~ .66	.56	.42
310535CB	74ALS540M⊕	SOIC-20	Octal inverting buffers & line driv. w/ 3-st. outputs	1.22	1.08	.87
245841CB	74ALS540N⊕	DIP-20	Octal inverting buffers & line driv. w/ 3-st. outputs	.80	.68	.51
310551CB	74ALS541M⊕	SOIC-20	Octal buffers and line drivers w/ 3-st. outputs	.74	.62	.504

74LS Series IC Kit

SAVE $57



Includes:
20-drawer component cabinet (319599CB),
20 clear plastic drawers (319601CB),
20 clear dividers (319610CB), pg 295 and
30 adhesive labels for drawers to identify parts in kit

10 each: 74LS05, 74LS10, 74LS11, 74LS14, 74LS20, 74LS30, 74LS47, 74LS73, 74LS75, 74LS85, 74LS86, 74LS90 74LS93, 74LS123, 74LS125, 74LS139, 74LS151, 74LS155, 74LS157, 74LS174, 74LS175, 74LS193, 74LS240, 74LS244, 74LS245, 74LS273, 74LS373, 74LS374

20 each: 74LS00, 74LS02, 74LS04, 74LS08, 74LS32, 74LS74, 74LS138

Part No.	Description	Wt. (lbs.)	1	10
84961CB	420 pcs. 74LS IC kit⊕	6.7	$119.95	$107.95
130391CB	Refill for 84961CB (420 pcs.)⊕	2.0	99.99	89.99

74ALS Series (Continued)

DIP SOIC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
245850CB	74ALS541N⊕	DIP-20	Octal buffers & line drivers w/ 3-st. outputs	$.91	$.77	$.58
310578CB	74ALS573BM⊕	SOIC-20	Octal D-type transp. latches w/ 3-st. outputs	.59	.448	.336
245868CB	74ALS573BN⊕	DIP-20	Octal D-type transp. latches w/ 3-st. outputs	.43	.36	.29
310623CB	74ALS574AM⊕	SOIC-20	Octal D-type edge-trig. flip-flops w/ 3-st. outputs	.59	.448	.336
245876CB	74ALS574AN⊕	DIP-20	Octal D-type edge-trig. flip-flops w/ 3-st. outputs	.66	.56	.419
310640CB	74ALS645AM⊕	SOIC-20	Octal bus transceivers	.74	.60	.546
245884CB	74ALS645AN⊕	DIP-20	Octal bus transceivers	~~$.98~~ .79	.67	.50
309796CB	74ALS688N⊕	DIP-20	8-bit identity comparator	2.95	2.39	1.88

Jameco's 3.3 Volt Logic

74LVC Series

TSSOP SOIC

For 3.3V power Supplies. This 3.3V logic series is offered in both 8 and 16-bit functions.

Part No.	Cross Ref.	Pkg.	Description	1	10	100
313429CB	74LVC00AD⊕	SOIC-14	Quad 2-input NAND gates	$.38	$.299	$.21
313470CB	74LVC04AD⊕	SOIC-14	Hex inverters	.38	.307	.21
313488CB	74LVC08AD⊕	SOIC-14	Quad 2-input AND gates	.38	.307	.21
313496CB	74LVC14AD⊕	SOIC-14	Hex inverters w/ Schmitt triggers	.38	.307	.21
313517CB	74LVC32AD⊕	SOIC-14	Quad 2-input OR gates	.38	.307	.21
313533CB	74LVC74AD⊕	SOIC-14	Dual D-type flip-flops w/ set/reset	.38	.299	.21
313576CB	74LVC125AD⊕	SOIC-14	Quad bus buffers w/ 3-st.	.27	.216	.185
313613CB	74LVC138AD⊕	SOIC-16	3-to-8 line decoder/demultiplexer	.37	.299	.227
313621CB	74LVC157AD⊕	SOIC-16	2-to-1 line decoder/demultiplexer	.37	.299	.227
313648CB	74LVC244AD⊕	SOIC-20	Octal buffer/drivers w/ 3-st.	.41	.332	.252
313630CB	74LVC245AD⊕	SOIC-20	4-bit sync binary counter	.41	.332	.252
313584CB	74LVC374AD⊕	SOIC-20	Octal D-type flip-flops w/ 3-st.	.41	.332	.252
313541CB	74LVC541AD⊕	SOIC-20	Octal buffer/drivers w/ 3-st.	.41	.332	.305
313461CB	74LVC573AD⊕	SOIC-20	Octal D-type latches w/ 3-st.	.41	.332	.252
313824CB	74LVC574AD⊕	SOIC-20	Octal D-type flip-flops w/ 3-st.	.41	.332	.252
313947CB	74LVC16244AT⊕	TSSOP-48	16-bit buffer/driver w/ 3-st.	.95	.79	.71
313955CB	74LVC16245AT⊕	TSSOP-48	16-bit bus transceiver w/ 3-st.	.95	.79	.71
313963CB	74LVC162244AT⊕	TSSOP-48	16-bit buffer/driver w/ 3-st. w/ damp. res.	.95	.79	.64

74ALVC Series

TSSOP SOIC

Ideal for Memory Interfacing. This 3.3V logic series is offered in both 8 & 16-bit functions.

Part No.	Cross Ref.	Pkg.	Description	1	10	100
313980CB	74ALVC00D⊕	SOIC-14	Quad 2-input NAND gates	$.33	$.266	$.202
314309CB	74ALVC00T⊕	TSSOP-14	Quad 2-input NAND gates	.33	.265	.202
314000CB	74ALVC04D⊕	SOIC-14	Hex inverters	.33	.266	.202
314229CB	74ALVC08D⊕	SOIC-14	Quad 2-input AND gates	.33	.266	.202
314341CB	74ALVC08T⊕	TSSOP-14	Quad 2-input AND gates	.33	.265	.20
314237CB	74ALVC32D✪	SOIC-14	Quad 2-input OR gates	.33	.266	.205
314333CB	74ALVC32T⊕	TSSOP-14	Quad 2-input OR gates	.37	.29	.227
314253CB	74ALVC125⊕	SOIC-14	Quad bus buffers w/ 3-state	.43	.324	.244
314405CB	74ALVC244T✪	TSSOP-14	Octal buffer/drivers w/ 3-state	.44	.332	.261
314421CB	74ALVC245DW✪	SOIC-20	Octal bus transceivers w/ 3-state	.44	.336	.262
314430CB	74ALVC245T✪	TSSOP-20	Octal bus transceivers w/ 3-state	.44	.336	.261
314456CB	74ALVCH16244T⊕	TSSOP-48	16-bit buffer/drivers w/ 3-state	1.04	.84	.64
314499CB	74ALVCH16245T⊕	TSSOP-48	16-bit bus transceivers w/ 3-state	1.04	.84	.64
314528CB	74ALVCH16373T⊕	TSSOP-48	16-bit D-type latches w/ 3-state	1.04	.84	.64
314595CB	74ALVCH16374T⊕	TSSOP-48	16-bit D-type flip-flops w/ 3-state	1.04	.84	.64
314616CB	74ALVCH162244T✪	TSSOP-48	16-bit buffer/drivers w/ 3-state	1.05	.99	.90
314624CB	74ALVCH162374T✪	TSSOP-48	16-bit D-type F/F w/ 3-st. w/ damp. res.	1.05	.99	.90
314632CB	74ALVCH164245T⊕	TSSOP-48	16-bit level-shifting transceivers	1.12	.95	.77

✪ Blue Part No. = Limited Quantity Available

4000 Series

DIP SOIC

✳ Minimum order 10 pieces

Part No.	Cross Ref.	Pkg.	Description	1	10	100
12562CB	CD4001N**⊕	DIP-14	Quad 2-input NOR gates	$.29	$.24	$.19
197261CB	CD4001M⊕	SOIC-14	Quad 2-input NOR gates	.28	.23	.18
12597CB	CD4007N⊕	DIP-14	Dual comp. pair with inverter	.29	.25	.22
12634CB	CD4011N**⊕	DIP-14	Quad 2-input NAND gates	.29	.24	.19
197270CB	CD4011M⊕	SOIC-14	Quad 2-input NAND gates	✳	.158	.119
12677CB	CD4013N**⊕	DIP-14	Dual D flip-flops with set/reset	.35	.25	.22

**20 pcs. in 4000 series IC cabinet kit, pg 31

ℝ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

4000 Series (Continued)

DIP SOIC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
197288CB	CD4013M⊕	SOIC-14	Dual D flip-flops with set/reset	$.30	$.257	$.185
12706CB	CD4015N*⊕	DIP-16	Dual 4-stage static shift registers	.31	.249	.207
12722CB	CD4016N*⊕	DIP-14	Quad bilateral switches	.28	.24	.18
12749CB	CD4017N*⊕	DIP-16	Decade counter/divider	.39	.35	.31
197296CB	CD4017M⊕	SOIC-16	Decade counter/divider	~~$.56~~ .36	.31	.233
12773CB	CD4018N⊕	DIP-16	Presettable divide-by-N counter	~~$.49~~ .27	.232	.174
12802CB	CD4020N*⊕	DIP-16	14-stage binary/ripple counter	.49	.39	.29
197309CB	CD4020M⊕	SOIC-16	14-stage binary/ripple counter	~~$.62~~ .51	.43	.323
12829CB	CD4021N⊕	DIP-16	8-stage static shift register	.40	.34	.23
54666CB	CD4022N⊕	DIP-16	Div. by 8-cntr./driver w/ 8-decoded outputs	.32	.30	.27
12845CB	CD4023N*⊕	DIP-14	Triple 3-input NAND gates	.36	.307	.207
12853CB	CD4024N*⊕	DIP-14	7-stage binary counter	.39	.299	.227
353560CB	CD4026N	DIP-16	Decade counter/divider	.62	.52	.45
12888CB	CD4027N*⊕	DIP-16	Dual JK master-slave flip-flops	.27	.22	.16
197317CB	CD4027M⊕	SOIC-16	Dual JK master-slave flip-flops	.47	.365	.277
12909CB	CD4028N⊕	DIP-16	BCD-to-decimal decoder	~~$.35~~ .29	.22	.19
12925CB	CD4029N⊕	DIP-16	Presettable up/down counter	~~$.49~~ .32	.282	.248
197325CB	CD4029M⊕	SOIC-16	Presettable up/down counter	.36	.325	.277
12950CB	CD4040N*⊕	DIP-16	12-stage binary/ripple counter	~~$.39~~ .32	.27	.18
197333CB	CD4040M⊕	SOIC-16	12-stage binary/ripple counter	~~$.56~~ .51	.43	.323
12984CB	CD4042N⊕	DIP-16	Quad clocked D latches	~~$.29~~ .27	.232	.174
12992CB	CD4043N⊕	DIP-16	Quad NOR R-S latches tri-state	~~$.35~~ .30	.26	.20
13004CB	CD4044N⊕	DIP-16	Quad 3-state NAND R-S latches tri-state	~~$.49~~ .36	.32	.26
13012CB	CD4046N*⊕	DIP-16	Micropower phase-locked loop	~~$.49~~ .30	.27	.23
13039CB	CD4047N⊕	DIP-14	Monostable/astable multivibrator	~~$.59~~ .34	.279	.256
13055CB	CD4049N**⊕	DIP-16	Hex/buffer/converters (inverting)	.29	.24	.21
197341CB	CD4049M⊕	SOIC-16	Hex/buffer/converters (inverting)	.25	.199	.16
13071CB	CD4050N*⊕	DIP-16	Hex/buffer/converters (non-inverting)	.30	.244	.235
197350CB	CD4050M⊕	SOIC-16	Hex/buffer/converters (non-inverting)	~~$.39~~ .31	.26	.195
13098CB	CD4051N*⊕	DIP-16	Single 8-channel multi./demultiplexer	.45	.39	.35
197368CB	CD4051M⊕	SOIC-16	Single 8-channel multi./demultiplexer	.25	.20	.16
13119CB	CD4052N⊕	DIP-16	Diff. 4-channel multi./demultiplexer	~~$.45~~ .31	.26	.195
13127CB	CD4053N⊕	DIP-16	Triple 2-channel multi./demultiplexers	~~$.45~~ .24	.20	.15
13151CB	CD4060N⊕	DIP-16	14-stage ripple-carry binary	~~$.49~~ .41	.33	.25
13186CB	CD4066N**⊕	DIP-14	Quad bilateral switches	.35	.25	.19
197376CB	CD4066M⊕	SOIC-14	Quad bilateral switches	.31	.232	.151
13215CB	CD4067N⊕	DIP-24	16-channel analog multi./demultiplexer	~~$1.75~~ .85	.72	.54
13231CB	CD4069N*⊕	DIP-14	Hex inverters (74C04)	.30	.24	.17
197384CB	CD4069M⊕	SOIC-14	Hex inverters (74C04)	.22	.167	.109
13258CB	CD4070N*⊕	DIP-14	Quad exclusive-OR gates (74C86)	.28	.24	.17
87847CB	CD4070M✣⊕	SOIC-14	Quad exclusive-OR gates	.28	.24	.17
13274CB	CD4071N*⊕	DIP-14	Quad 2-input OR gates	.28	.271	.244
197392CB	CD4071M⊕	SOIC-14	Quad 2-input OR gates	.30	.24	.17
13354CB	CD4081N*⊕	DIP-14	Quad 2-input AND gates	.28	.26	.24
197405CB	CD4081M⊕	SOIC-14	Quad 2-input AND gates	.20	.166	.151
13400CB	CD4093N*⊕	DIP-14	Quad 2-input NANDs Schmitt trigger	.29	.25	.19
197413CB	CD4093M⊕	SOIC-14	Quad 2-input NANDs Schmitt trigger	~~$.30~~ .28	.209	.157
13426CB	CD4094N⊕	DIP-16	8-stage shift-and-store bus register	~~$.49~~ .41	.37	.31
13434CB	CD4098N⊕	DIP-16	CMOS/MOS dual mono. multivibrator	~~$.49~~ .39	.299	.227
13442CB	CD4099N⊕	DIP-16	8-bit addressable latch	~~$.49~~ .28	.24	.18
13469CB	CD4503N⊕	DIP-16	Tri-state hex buffers (74C367) 80C97	~~$.49~~ .28	.25	.22

*10 pcs. in 4000 series IC cabinet kit, below **20 pcs. in 4000 series IC cabinet kit, below

✣ Refurbished = Backed by Jameco

4000 Series CMOS IC Kit

SAVE $27

Includes:

20-drawer component cabinet (319599CB),
20 clear plastic drawers (319601CB),
20 clear dividers (319610CB), pg 295 and
30 adhesive labels for drawers to identify parts in kit



84970CB

10 each: CD4015, CD4016, CD4017, CD4020, CD4023, CD4024, CD4027, CD4040, CD4046, CD4050, CD4051, CD4069, CD4070, CD4071, CD4081, CD4093, CD4511, CD4538, CD4543, CD4584

20 each: CD4001, CD4011, CD4013, CD4049, CD4056

Part No.	Description	Wt. (lbs.)	1	10
84970CB	300 pcs. 4000 series CMOS IC kit⊕	6.1	$79.95	$71.95
130403CB	Refill for 84970CB (300 pcs.)⊕	1.4	58.95	52.95

4000 Series (Continued)

DIP SOIC

Part No.	Cross Ref.	Pkg.	Description	1	10	100
13485CB	CD4510N⊕	DIP-16	BCD up/down counter	~~$.69~~ $.39	$.30	$.23
13493CB	CD4511N*⊕	DIP-16	BCD to 7-seg. latch/decoder/driver	.69	.59	.49
197421CB	CD4511M⊕	SOIC-16	BCD to 7-seg. latch/decoder/driver	.39	.36	.32
13514CB	CD4512N⊕	DIP-16	8-channel data selector	~~$.59~~ .45	.365	.277
13522CB	CD4514N⊕	DIP-24	4-bit latch/4-16 line decoder	.94	.79	.64
13549CB	CD4516N⊕	DIP-16	Binary up/down counter	.50	.40	.30
13565CB	CD4518N⊕	DIP-16	Dual BCD up counters	~~$.49~~ .26	.25	.23
13581CB	CD4520N⊕	DIP-16	Dual binary up counters	~~$.49~~ .33	.25	.20
13590CB	CD4522N⊕	DIP-16	Program. BCD divide-by-N counter	~~$.59~~ .30	.26	.195
13602CB	CD4526N	DIP-16	Divide-by-N counter (binary)	~~$.79~~ .52	.473	.355
13611CB	CD4528N⊕	DIP-16	Dual monostable multivibrators	.99	.84	.63
13653CB	CD4538N*⊕	DIP-16	Dual precision monostable multivibrators	~~$.49~~ .44	.37	.28
197430CB	CD4538M⊕	SOIC-16	Dual precision monostable multivibrators	.43	.329	.249
13688CB	CD4541N⊕	DIP-14	Oscillator/programmable timer	~~$.49~~ .25	.236	.222
13696CB	CD4543N*⊕	DIP-16	BCD to 7-segment decoder (LCD)	~~$.69~~ .59	.45	.29
13709CB	CD4553N	DIP-16	3-digit BCD counter	2.95	2.66	2.39
354600CB	CD4555N⊕	DIP-16	Dual 1-4 decoder/demultiplexers (H.O.)	.31	.274	.227
354618CB	CD4556N⊕	DIP-16	Dual 1-4 decoder/demultiplexers (L.O.)	.46	.349	.265
13768CB	CD4584N*⊕	DIP-14	Hex Schmitt triggers	.39	.35	.29
197448CB	CD4584M⊕	SOIC-14	Hex Schmitt triggers	.28	.25	.23
44257CB	CD40106N⊕	DIP-14	Hex inverters Schmitt trigger (74C14)	.49	.465	.288
354589CB	CD40109N⊕	DIP-16	Quad L to H volt. level shifters	.51	.415	.378

*10 pcs. in 4000 series IC cabinet kit, below

7400 Series

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
48979CB	7400N**⊕	DIP-14	Quad 2-input NAND gates	$.69	$.59	$.48
49007CB	7401N⊕	DIP-14	Quad 2-input NAND gates (O.C.)	.59	.57	.54
49015CB	7402N*⊕	DIP-14	Quad 2-input NOR gates	.75	.62	.495
49040CB	7404N**⊕	DIP-14	Hex inverters	.65	.53	.48
49074CB	7405N*⊕	DIP-14	Hex inverters (O.C.)	.69	.54	.49
49091CB	7406N**⊕	DIP-14	Hex inverter buffer/drivers (O.C.)	.52	.45	.40
49120CB	7407N**⊕	DIP-14	Hex buffer/drivers (O.C.)	.46	.41	.36
49146CB	7408N*	DIP-14	Quad 2-input AND gates	.93	.69	.53
49189CB	7410N*⊕	DIP-14	Triple 3-input NAND gates	.44	.40	.29
295777CB	7411N⊕	DIP-16	Triple 3-input AND gates	1.09	.98	.88
49402CB	7413N	DIP-14	Dual 4-input NAND gates Schmitt trigger	1.25	1.12	1.01
49437CB	7414N*⊕	DIP-14	Hex inverters Schmitt trigger	.65	.59	.55
49630CB	7416N*⊕	DIP-14	Hex inverter buffer/drivers (O.C.)	.57	.48	.36
49728CB	7417N*⊕	DIP-14	Hex buffer/drivers (O.C. hi-voltage)	.91	.77	.58
50008CB	7420N*⊕	DIP-14	Dual 4-input NAND gates	.62	.57	.50
50083CB	7425N⊕	DIP-14	Dual 4-input NOR gates with strobe	.78	.75	.72
50139CB	7427N	DIP-14	Triple 3-input NOR gates	.68	.58	.43
50198CB	7428N⊕	DIP-14	Quad 2-input NOR buffers	.76	.65	.48
50227CB	7430N*⊕	DIP-14	8-input NAND gate	.62	.53	.396
50235CB	7432N*⊕	DIP-14	Quad 2-input OR gates	.81	.70	.62
50315CB	7438N*⊕	DIP-14	Quad 2-input NAND buffers (O.C.)	.60	.51	.46
50358CB	7440N⊕	DIP-14	Dual 4-input NAND buffers	.55	.47	.35
50374CB	7442N⊕	DIP-16	BCD-to-decimal decoder	1.39	1.12	.92
50403CB	7445N⊕	DIP-16	BCD-to-decimal decoder/driver	1.29	1.16	1.00
50411CB	7446N	DIP-16	BCD-to-7 segment decoder/driver (H.O.)	2.09	1.95	1.89
50420CB	7447N*⊕	DIP-16	BCD-to-7 segment decoder/driver (L.O.)	1.49	1.29	.99
50518CB	7470N*⊕	DIP-14	Edge-triggered JK flip-flop	.83	.79	.76
50526CB	7472N	DIP-14	AND gated JK master/slave flip-flop	~~$2.25~~ 1.95	1.67	1.25
50534CB	7473N	DIP-14	Dual JK flip-flops with clear	1.33	1.13	.84
50551CB	7474N**⊕	DIP-14	Dual D flip-flops	.65	.54	.429
50577CB	7475N	DIP-16	4-bit bi-stable latch	2.95	2.75	2.49
50593CB	7476N	DIP-16	Dual JK flip-flops with preset and clear	2.95	2.65	2.39
50631CB	7483N	DIP-16	4-bit binary full adder	1.15	1.00	.87
50657CB	7485N*	DIP-16	4-bit magnitude comparator	1.09	.87	.64
50665CB	7486N	DIP-14	Quad exclusive-OR gates	1.39	1.05	.88
50681CB	7489N	DIP-16	64-bit RAM P 50ns	3.85	3.50	3.28
50690CB	7490N⊕	DIP-14	Decade counter	1.49	1.27	.95
50737CB	7492N	DIP-14	Divide-by-12 counter	1.49	1.29	.97
50745CB	7493N	DIP-14	4-bit binary counter	1.49	1.34	1.19
50770CB	7495N*	DIP-14	4-bit parallel-access shift reg. (K155N)	.99	.86	.57

*10 pcs. in 7400 series IC cabinet kit, pg 32 **20 pcs. in 7400 series IC cabinet kit, pg 32

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

7400, 74C, 74S, Dallas & Supervisory

RoHS Compliant Product
RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

7400 Series (Continued)

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
50796CB	7497N	DIP-16	Synch. 6-bit binary rate multipliers	$2.69	$2.32	$1.71
49234CB	74107N*	DIP-14	Dual JK flip-flop with clear	.52	.44	.39
49293CB	74116N	DIP-24	Dual 4-bit latches with clear	2.15	1.82	1.38
49322CB	74121N	DIP-14	Monostable multivibrator	1.25	1.15	1.00
49357CB	74123N*	DIP-16	Dual retriggerable mono. multivibrator	1.25	1.20	.99
49373CB	74125N	DIP-14	Quad bus buffer tri-state (DM8093N)	1.19	1.09	.95
49411CB	74132N*	DIP-14	Quad 2-input NAND Schmitt trigger	1.29	.99	.70
49496CB	74148N	DIP-16	8 to 3 line octal priority encoder	1.24	1.05	.79
49509CB	74150N	DIP-24	16 to 1 line multiplexer	2.15	1.92	1.71
49525CB	74151N*	DIP-16	8-input multiplexer	.75	.63	.472
49550CB	74153N*	DIP-16	Dual 4/1 data selector/multiplexer	.84	.62	.429
49568CB	74154N	DIP-24	4 to16 line decoder/demultiplexer	2.25	1.95	1.75
49605CB	74157N*	DIP-16	Quad 2/1 data selector	.97	.82	.62
49648CB	74160N*	DIP-16	Decade counter with asynch. clear	.52	.46	.41
49664CB	74161N	DIP-16	Synchronous 4-bit counter w/ direct clear	.77	.69	.55
49672CB	74163N	DIP-16	Fully synchronous 4-bit counter	.89	.76	.57
49681CB	74164N	DIP-14	8-bit serial shift register	.94	.79	.59
49699CB	74165N	DIP-16	8-bit serial shift register, parallel load	1.09	.92	.69
49779CB	74174N*	DIP-16	Hex D-type flip-flop with clear	1.09	.92	.69
49795CB	74175N*	DIP-16	Quad D-type flip-flop with clear	.94	.79	.71
49832CB	74180N	DIP-14	9-bit odd/even parity generator/checker	2.89	2.46	1.84
49841CB	74181N	DIP-24	Arithmetic logic unit/function generator	3.59	3.25	2.93
49883CB	74189N	DIP-16	64-bit RAM tri-state (DM8599N)	3.39	2.89	2.17
49904CB	74191N	DIP-16	Binary up/down counter	2.05	1.73	1.30
49912CB	74192N	DIP-16	Decade up/down counter with clear	3.69	3.39	3.19
49939CB	74193N	DIP-16	Binary up/down counter with clear	1.99	1.75	1.60
49955CB	74194N	DIP-16	4-bit bi-directional shift register	1.75	1.49	1.11
49963CB	74195N	DIP-16	4-bit parallel-access shift register	1.65	1.40	1.05
50171CB	74279N*	DIP-16	Quad set-reset latch	1.79	1.52	1.14
88225CB	SDLD001A	—	Texas Instruments TTL Data Book	34.95	31.49	29.95

*10 pcs. in 7400 series IC cabinet kit, below

7400 Series IC Kit

SAVE $112

Includes:
20-drawer component cabinet (319599CB),
20 clear plastic drawers (319601CB),
20 clear dividers (319610CB), pg 295 and
30 adhesive labels for drawers to identify parts in kit



10 each: 7402, 7405, 7408, 7410, 7414, 7416, 7417, 7420, 7430, 7432, 7438, 7447, 7470, 7485, 7495, 74107, 74123, 74132, 74151, 74153, 74157, 74160, 74174, 74175, 74279

20 each: 7400, 7404, 7406, 7407, 7474

Part No.	Description	Wt. (lbs.)	1	10
84953CB	350 pcs. 7400 IC kit	6.2	$149.95	$134.95

74C Series

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
44222CB	74C00N	DIP-14	Quad 2-input NAND gate	$1.15	$.98	$.73
44231CB	74C04N	DIP-14	Hex inverter (CD4069)	1.05	.89	.67
44257CB	74C14N	DIP-14	Hex inverter Schmitt trigger (CD40106)	.49	.465	.288
44441CB	74C74N	DIP-14	Dual D flip-flop	2.25	1.53	1.16
44361CB	74C221N	DIP-16	Dual monostable multivibrator	3.69	3.19	2.50
13469CB	74C367N	DIP-16	Hex buffer tri-state (80C97/CD4503)	.28	.25	.22
44396CB	74C373N	DIP-20	Octal D-type flip-flop with clear tri-state	3.85	3.11	2.44
44409CB	74C374N	DIP-20	Octal D-type flip-flop tri-st. (INS82C06N)	2.49	2.12	1.59
44564CB	74C922N	DIP-18	16-key keyboard encoder (INS8245N)	7.05	6.79	6.19
44572CB	74C923N	DIP-20	20-key keyboard encoder (INS8246N)	6.29	5.85	5.55
44581CB	74C925N	DIP-16	4-digit CTR w/ MUX D segment driver	15.59	13.25	9.95
44599CB	74C926N	DIP-18	4-digit CTR w/ MUX D segment driver	10.49	9.49	8.59

74S Series

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
48531CB	74S188N	DIP-16	256-bit (32 x 8) PROM O.C. (27S18)	$4.39	$3.95	$3.45
48557CB	74S189N	DIP-16	64-bit (16 x 4) RAM tri-state (27S03)	3.99	3.90	3.86
48696CB	74S287N	DIP-16	1k-bit (256 x 4) PROM tri-state (TBP24S10)	9.85	9.03	7.80
48717CB	74S288N	DIP-16	256-bit (32 x 8) PROM tri-st. (TBP18S030N)	8.15	7.03	6.04

74S Series (Continued)

DIP

Part No.	Cross Ref.	Pkg.	Description	1	10	100
48805CB	74S387N	DIP-16	1k-bit (256 x 4) PROM O.C. (TBP24SA10N)	$3.09	$2.79	$2.55
52513CB	74S428N	DIP-28	System contr./bus driver (8228)	3.69	3.19	2.36
48864CB	74S472N	DIP-20	4k-bit (512 x 8) PROM tri-st. (TBP28S42N)	12.95	11.65	10.49
48910CB	74S571N	DIP-16	2k-bit (512 x 4) PROM tri-st. (AM27S13)	5.69	5.45	4.95
48928CB	74S573N	DIP-18	4k-bit (1024 x 4) PROM tri-st. (53S441J)	4.25	3.61	3.25

DALLAS SEMICONDUCTOR Dallas Semiconductor

DIP SOIC

Part No.	Product No.	Pkg.	Description	1	10	100
114198CB	DS1210	DIP-8	Nonvolatile controller chip	$3.79	$3.07	$2.07
114219CB	DS1213C	DIP-28	SmartSocket 64k/256k	19.05	14.54	11.50
114227CB	DS1213D	DIP-32	SmartSocket 16k/256k	19.95	17.95	15.95
133410CB	DS1216C	DIP-28	Smartwatch/RAM 64k/256k	30.55	24.55	14.70
114331CB	DS1232	DIP-8	Micromonitor chip	$2.05 1.85	1.34	1.00
133444CB	DS1286♣	DIP-28	Watchdog timekeeper (50-Byte RAM)	22.15	16.90	10.75
76646CB	DS1287♣	DIP-24	Real time clock with RAM (MC146818A)	7.25	6.15	5.53
176778CB	DS1302	DIP-8	Trickle charge time keeping IC	2.75	2.10	1.28
114374CB	DS1387♣	DIP-24	RAMified real time clock 4k x 8	8.59	7.30	6.60
114382CB	DS1620	DIP-8	Digital thermometer and thermostat	$6.29 5.35	4.42	3.39
245500CB	DS1705ESA	SOIC-8	3.3V and 5V micromonitor w/ watchdog	$1.85 1.49	1.25	1.00
282749CB	DS1708ESA	SOIC-8	3.3V and 5V micromonitor	1.85	1.40	1.10
133452CB	DS12887♣	DIP-24	Real time clock chip	8.15	6.93	5.19
299997CB	DS12887A	DIP-24	Real time clock chip	8.15	6.22	4.15
114403CB	DS80C320-MCG	DIP-40	High speed micro 25MHz	$13.15 12.09	9.27	5.71

♣ Pull = Extra Savings

MPU Supervisory

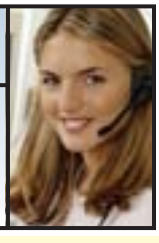
Package (see pg 33)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
106219CB	✦	MAX690CPA	DIP-8	Microprocessor watchdog/battery	$5.45	$4.64	$3.16
106227CB	✦	MAX691CPE	DIP-16	Microprocessor watchdog/battery	$6.25 5.75	3.85	3.23
288403CB	✦	MAX693CPE	DIP-16	Microprocessor watchdog/battery	6.25	4.97	3.23
297684CB	MAX	MAX694CPA	DIP-8	Microprocessor supervisory circuit	5.99	4.59	2.98
297748CB	MAX	MAX695CPE	DIP-16	Low cost MPU supervisory circuit	$7.15 6.25	5.82	5.24
312418CB	MAX	MAX699CPA	DIP-8	Low cost power on reset & watchdog	3.95	3.55	3.15
243627CB	✦	MAX705CPA	DIP-8	MPU sup. circuit, watchdog, 4.65VCC	3.95	3.36	2.52
243635CB	✦	MAX705CSA	SOIC-8	MPU sup. circuit, watchdog, 4.65VCC	$4.55 4.15	3.71	2.78
297705CB	MAX	MAX706CPA	DIP-8	MPU sup. circuit, watchdog, 4.4VCC	$4.99 4.35	3.46	2.24
251774CB	MAX	MAX707CPA	DIP-8	MPU sup. circ., watchdog, reset, 4.65VCC	3.89	3.10	2.00
251758CB	MAX	MAX707CSA	SOIC-8	MPU sup. circ., watchdog, reset, 4.65VCC	3.69	3.33	2.48
298020CB	✦	MAX734CPA	DIP-8	12V, 120mA flash memory prog.	3.69	3.49	3.32
298046CB	✦	MAX734CSA	SOIC-8	12V, 120mA flash memory prog.	2.55	2.21	2.07
266861CB	✦	MAX809T	SOT-23	3-pin MPU push-pull /RESET circuit	.68	.60	.45
245391CB	✦	MAX810S	SOT-23	3-pin MPU push-pull RESET circuit	.75	.71	.66
245497CB	MAX	MAX813LCSA	SOIC-8	Low cost MPU supervisory circuit	$3.05 2.79	2.17	1.49
106260CB	✦	MAX1232CPA	DIP-8	Microprocessor monitor	2.85	2.25	1.55
282677CB	✦	DS1233-5	TO-92	4.75V CPU supervisory, pushbutton reset	1.15	1.05	.94
290221CB	✦	DS1233D-5	TO-92	4.75V CPU supervisory	$1.25 1.13	1.10	.95
282651CB	✦	DS1233M-5	TO-92	5V Freescale CPU supervisory	1.15	1.00	.90
282685CB	✦	DS1233-10	TO-92/4	4.5V CPU supervisory, pushbutton reset	1.15	1.00	.97
313971CB	ANA	AP1701DW	SOT-23	3-pin MPU push-pull /RESET	.69	.50	.37
313939CB	ANA	AP1702DW	SOT-23	3-pin MPU push-pull RESET	.49	.32	.31
310316CB	MAX	DS1708SESA	SOIC-8	3.3V micromonitor	1.69	1.56	1.35
298089CB	MAX	DS1811-5	TO-92	4.75V econoreset w/ open drain output	.91	.69	.56
298118CB	MAX	DS1811-10	TO-92	4.5V econoreset w/ open drain output	.91	.68	.63
298100CB	MAX	DS1811-15	TO-92	4.25V econoreset w/ open drain output	.91	.75	.73

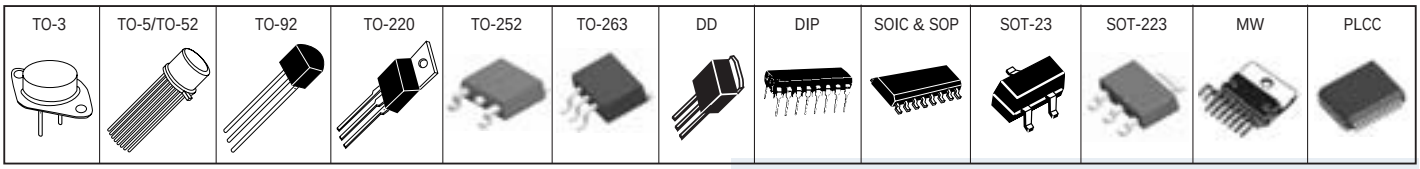
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Manufacturer Cross Reference Table

Jameco Value Offering ✦

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Power Management

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
291670CB	✦	MAX712CPE⊕	DIP-16	NiCD/NiMH battery fast chrg controller	~~$6.99~~ $6.15	$5.36	$5.04
312821CB	✦	BQ2003S⊕	SOIC-16	Fast Charge IC	4.09	3.33	2.62
312848CB	TI	BQ2004PN⊕	DIP-16	NiMH/NiCd switchmode chrg mgmt w/ neg dV	4.49	3.79	3.66
312830CB	TI	BQ2004SN⊕	SOIC-16	NiMH/NiCd switchmode chrg mgmt w/ neg dV	4.15	3.85	3.73
312901CB	TI	BQ2010SN-D107⊕	SOIC-16	Gas Gauge IC	6.29	5.82	4.36
312899CB	TI	BQ2013HSN-A514⊕	SOIC-16	Gas Gauge IC	6.75	6.58	6.25
312856CB	TI	BQ2014SN-D120⊕	SOIC-16	NiMH/NiCd gas gauge w/ 1-wire (DQ) i/f	7.19	6.84	6.49
312928CB	TI	BQ2018TS-E⊕	TSSOP-8	Rechargeable battery power monitor	3.89	3.38	3.21
312936CB	TI	BQ2019PW⊕	TSSOP-8	Rechargeable battery power monitor	3.99	3.46	3.29
312881CB	TI	BQ2040SN-D111⊕	SOIC-16	Li-Ion/NiMH/NiCD gas gauge w/ smbus	7.19	6.84	6.50
312961CB	✦	UC3906N⊕	DIP-16	Linear lead acid battery charger	5.15	4.89	4.63
312944CB	TI	BQ24004PWP⊕	TSSOP-20	Li-Ion battery charger	3.45	3.20	3.05
241808CB	✦	ICL7665SCPA⊕	DIP-8	2-16V voltage detector	2.45	2.20	1.38
241816CB	✦	ICL7673CPA⊕	DIP-8	Auto battery backup switch, 2.5V to 15V	~~$1.05~~ .93	.92	.75

✦ Jameco Value Offering

RS-232 Drivers/Receivers

SSOP  Other packages (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
142535CB	✦	HIN202CP⊕	DIP-16	+5V RS-232 trans. requires 0.1µF caps	$2.65	$2.10	$1.57
244232CB	✦	MAX202CSE⊕	SOIC-16	+5V RS-232 trans. w/ 0.1uF ext. caps	1.55	1.25	1.15
244241CB	✦	MAX202EPE⊕	DIP-16	+5V RS-232 transceivers	1.29	1.14	.99
244259CB	✦	MAX202ESE⊕	SOIC-16	+5V RS-232 trans. w/ 0.1uF ext. caps	1.29	1.14	.99
299794CB	MAX	MAX207CWG⊕	SOIC-24	RS-232 transceivers w/ 0.1uF ext. cap	5.79	4.89	3.66
282790CB	✦	MAX211CAI⊕	SSOP-28	+5V RS-232 trans. w/ 0.1uF ext. caps	~~$6.59~~ 4.19	3.80	3.46
312215CB	✦	MAX211ECAI⊕	SSOP-28	+5V RS-232 trans., ±15kV ESD	7.35	5.75	4.15
291215CB	✦	MAX222CPN⊕	DIP-18	+5V multichannel RS-232 drivers/recvr	3.49	3.39	3.18
291303CB	✦	MAX222CWN⊕	SOIC-18	+5V multichannel RS-232 drivers/recvr	3.89	3.09	2.42
24811CB	✦	MAX232CPE*⊕	DIP-16	Dual RS-232 receiver/transmitter	2.19	1.85	1.45
318959CB	MAX	MAX232CPE⊕	DIP-16	Dual RS-232 receiver/transmitter	2.89	1.77	1.49
106147CB	✦	MAX232CWE⊕	SOIC-16	+5V dual RS-232 trans./receiver	2.65	2.09	1.56
256401CB	✦	MAX232DR⊕	SOIC-16	Dual EIA-232 driver/receiver	.76	.66	.63
106155CB	✦	MAX232EPE⊕	DIP-16	+5V dual RS-232 (-40˚C to +85˚C)	3.19	2.51	1.73
106163CB	✦	MAX233CPP⊕	DIP-20	+5V multichannel RS-232 driver/rec.	6.19	4.99	4.66
106171CB	✦	MAX235CPG⊕	DIP-24	+5V five RS-232 driver/receiver	13.39	10.62	7.15
106180CB	✦	MAX238CNG⊕	DIP-24	+5V quad RS-232 driver/receiver	6.29	4.79	3.28
276883CB	✦	MAX323CDWR⊕	SOIC-20	True 3V-5.5V RS-232 trans.w/ autoshtdwn	1.69	1.61	1.45
193691CB	✦	DS1488D	SOIC-14	Quad line driver RS-232 (75188D)	.41	.33	.25
23157CB	✦	DS1488N*⊕	DIP-14	Quad line driver RS-232 (75188N)	.29	.25	.22
16361CB	✦	DS14C88N⊕	DIP-14	Quad CMOS line driver RS-232	.65	.58	.55
23181CB	✦	DS1489N*⊕	DIP-14	Quad line receiver RS-232 (75189N)	.23	.215	.20
16379CB	✦	DS14C89N⊕	DIP-14	Quad CMOS line receiver RS-232	1.00	.73	.55
252128CB	✦	MAX3221CAE⊕	SSOP-16	RS-232 transceiver w/ auto shutdown	~~$2.29~~ 1.85	1.75	1.65
277042CB	✦	MAX3221ECAE⊕	SSOP-16	True 3V-5.5V RS-232 trans. w/ autoshtdwn	2.65	2.27	2.13
299760CB	✦	MAX3222CAP⊕	SSOP-20	True RS-232 low power trans.	3.35	2.69	1.83
276963CB	✦	MAX3222CDBR⊕	SSOP-20	3V-5.5V, low pwr RS-232 trans.	2.09	1.94	1.74
276859CB	✦	MAX3232CDR⊕	SOIC-16	3V-5.5V, true RS-232 transceiver	1.69	1.61	1.45
276867CB	✦	MAX3232CSE⊕	SOIC-16	3V-5.5V, true RS-232 transceiver	3.15	2.85	2.35
276795CB	✦	MAX3238CDBR⊕	SSOP-28	3V-5.5V, true RS-232 w/ autoshtdwn	1.85	1.73	1.55
276824CB	✦	MAX3238IDBR⊕	SSOP-28	3V-5.5V, true RS-232 w/ autoshtdwn	~~$2.19~~ 2.05	1.85	1.70
276761CB	✦	MAX3243CDWR⊕	SOIC-28	True 3V-5.5V RS-232 trans.w/ autoshtdwn	1.31	1.23	1.14
276779CB	✦	MAX3243IDWR⊕	SOIC-28	True 3V-5.5V RS-232 trans.w/ autoshtdwn	1.69	1.61	1.45
299911CB	✦	DS14C232CM⊕	SOIC-16	Low pwr TIA/EIA 232 dual driver/recvr	1.05	.94	.86
235301CB	✦	DS14C232CN⊕	DIP-16	Low pwr +5V TIA/EIA 232 dual driv/recvr	~~$1.05~~ .78	.72	.69

*10 pcs. in Linear series IC cabinet kit, pg 38 ✦ Jameco Value Offering

RS-232 Drivers/Receivers (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
277982CB	✦	SN75185DW⊕	SOIC-20	Multiple RS-232 drivers/receivers	~~$.79~~ $.60	$.50	$.40
256081CB	✦	SN75185N⊕	DIP-20	Multiple RS-232 drivers/receivers	~~$.69~~ .61	.52	.39
245366CB	✦	SN75C188D⊕	SOIC-14	Quad low power line driver	~~$.61~~ .56	.42	.31
23181CB	✦	SN75189N⊕	DIP-14	Quad line rec. RS-232 (DS1489N)	.23	.215	.20
193703CB	✦	SN75189D⊕	SOIC-14	Quad line rec. RS-232 (DS1489D)	~~$.50~~ .46	.29	.15
245374CB	✦	SN75C189D⊕	SOIC-14	Quad low power line receiver	~~$.62~~ .56	.42	.31
278205CB	✦	TL145406N⊕	DIP-16	Triple RS-232 drivers/receivers	~~$.97~~ .88	.81	.60
25099CB	✦	MC145406P	DIP-16	RS232-C/V.28 driv./rec. (CMOS) (75C1406N)	1.95	1.75	1.59

✦ Jameco Value Offering

RS-422/485 Drivers/Receivers

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
299815CB	LTC	LTC485CS8⊕	SOIC-8	RS-485 low power interface trans.	$2.59	$1.76	$1.45
299807CB	LTC	LTC485CN8⊕	DIP-8	RS-485 low power interface trans.	1.35	1.17	.91
276605CB	SIPEX	SP490CN⊕	SOIC-8	Low pwr, slew-rate limited RS-485/422	2.25	1.80	1.15
276576CB	MAX	MAX490CPA⊕	DIP-8	Low pwr, slew-rate limited RS-485/422	~~$2.55~~ 2.25	1.78	1.68
276550CB	MAX	MAX491CPD⊕	DIP-14	Low pwr, slew-rate limited RS-485/422	2.55	2.05	1.85
311837CB	MAX	MAX1480BEPI⊕	DIP-28	Complete iso. RS485-422 data interface	28.75	22.29	20.72
244179CB	ADI	ADM1485JN⊕	DIP-8	RS-485 differential bus transceivers	2.05	1.83	1.65
244187CB	ADI	ADM1485JR⊕	SOIC-8	RS-485 differential bus transceivers	1.55	1.40	1.25
235310CB	✦	DS1487N	DIP-8	Low pwr RS-485 1/4 unit load recvr.	1.49	1.12	1.02
244195CB	✦	MAX1487CPA⊕	DIP-8	RS-485/RS-422 low-power transceivers	~~$2.39~~ 2.25	1.77	1.30
244208CB	✦	MAX1487CSA⊕	SOIC-8	RS-485/RS-422 low-power trans.	2.15	1.99	1.53
39571CB	✦	AM26LS30	DIP-16	Dual diff RS422 party line Qd RS423 line driv.	2.39	2.05	1.76
39589CB	✦	AM26LS31CN	DIP-16	Quad diff line driver	.61	.54	.43
243555CB	✦	AM26LV31CD⊕	SOP-16	RS-422 quad differential line trans	.72	.65	.63
39600CB	✦	AM26LS32CN	DIP-16	Quad diff line receiver RS422/423	.62	.53	.398
272217CB	✦	DS26LS32ACN⊕	DIP-16	Quad diff line receiver	~~$.66~~ .43	.40	.30
242051CB	✦	AM26LV32CD⊕	SOP-16	RS-422 quad differential line receivers	.92	.87	.82
252427CB	✦	MC3486D⊕	SOIC-16	Quad EIA-422/423 line rec. w/ 3-st. outputs	~~$.72~~ .62	.53	.39
25232CB	✦	MC3486P⊕	DIP-16	Quad EIA-422/423 line rec. w/ 3-st. outputs	.66	.56	.38
252961CB	✦	MC3487D⊕	SOIC-16	Quad EIA-422 differential line driver	.46	.39	.29
25259CB	✦	MC3487P⊕	DIP-16	Quad EIA-422 line driver w/ 3-state outputs	.62	.52	.39
298142CB	NSC	DS3691M⊕	SOIC-16	RS-422/423 line drivers w/ 3-state outputs	~~$1.99~~ 1.79	1.35	1.00
298134CB	NSC	DS3691N⊕	DIP-16	RS-422/423 line drivers w/ 3-state outputs	1.11	1.03	.77
144039CB	NSC	DS3695N⊕	DIP-8	Multipoint RS-485/422 trans. w/ 3-st. outputs	~~$1.75~~ 1.59	1.19	.90
235336CB	NSC	DS3696N⊕	DIP-8	Multipoint RS-485/RS-422 trans./repeaters	~~$2.29~~ 2.09	1.56	1.17
299671CB	NSC	DS8921AN⊕	DIP-8	RS-422 differential line driver/receiver pair	1.46	1.10	.82
298169CB	NSC	DS8921M⊕	SOIC-8	RS-422 differential line drvr/rcvr pair	~~$1.45~~ 1.34	1.00	.75
299701CB	NSC	DS8922AM⊕	SOIC-16	RS-422 dual differential line drvr/rcvr pair	~~$1.59~~ 1.45	1.10	.80
299719CB	NSC	DS8922AN⊕	DIP-16	RS-422 dual differential line driver/receiver pair	1.99	1.53	1.15
299727CB	NSC	DS8923AM⊕	SOIC-16	RS-422 dual differential line drvr/rcvr pair	~~$1.65~~ 1.49	1.13	.83
309753CB	NSC	DS8923AN⊕	DIP-16	Dual RS-422 diff. line driver/rec. pairs	1.55	1.15	.85
235344CB	NSC	DS36C278N⊕	DIP-8	Low pwr multipoint EIA RS-485 transceiver	2.69	2.25	2.15
50948CB	✦	SN75174N⊕	DIP-16	Quad diff. RS-422 line driver w/ 3-st. out	.76	.74	.63
245340CB	✦	SN75175D⊕	SOIC-16	Quad differential line receivers	.59	.50	.38
50956CB	✦	SN75175N⊕	DIP-16	Quad diff. EIA 422A/423A line rec. w/3-st. out	.72	.56	.45
243707CB	TI	SN75LBC175D⊕	SOIC-16	Quadruple low power diff. line rcvr	~~$1.89~~ 1.75	1.41	1.06
243715CB	TI	SN75LBC175N⊕	DIP-16	RS-422/RS-423/RS-485 diff. line rec.	2.45	2.40	2.32
50964CB	✦	SN75176BN⊕	DIP-8	Differential bus transceiver	.65	.55	.45
251053CB	TI	SN75LBC176AD⊕	SOIC-8	Differential bus transceiver	3.09	2.71	2.54
244136CB	TI	SN75LBC176AP⊕	DIP-8	RS-485 diff. bus transceivers	1.75	1.64	1.57
251846CB	TI	SN75LBC176D⊕	SOIC-8	Differential bus transceiver RS485	~~$1.37~~ 1.25	1.14	.85

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RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

RS-422/485, Interface & UARTs

RoHS RoHS Compliant Product ⊕ RoHS Also Available

Color Code Legend: New | Sale | Lower$ | QtySave

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

RS-422/485 Receivers (Continued)

Package (see pg 35)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
243723CB	TI	SN75LBC176P⊕	DIP-8	RS-485 differential bus trans.	~~$1.59~~ $1.48	$1.19	$1.05
235387CB	NSC	DS96172CN✪	DIP-16	RS-485/RS-422 quad diff. line drivers	~~$3.59~~ 2.95	2.75	2.50
235361CB	NSC	DS96173CN	DIP-16	RS-485/RS-422 quad diff. line rec.	2.09	1.89	1.71
235395CB	NSC	DS96174CN⊕	DIP-16	RS-485/RS-422 quad diff. line drivers	2.39	1.85	1.38
235379CB	NSC	DS96175CN✪	DIP-16	RS-485/RS-422 quad diff. line rec.	1.99	1.40	1.27
235408CB	NSC	DS96176CN⊕	DIP-8	RS-485/RS-422 diff. bus transceivers	1.55	1.43	1.29

✪ Blue Part No. = Limited Quantity Available

Interface Series

Package (see pg 35)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
310498CB	TI	XTR101AP⊕	DIP-14	Low-drift precision 2-wire trans.	$13.19	$12.00	$10.92
310501CB	TI	XTR101AU⊕	SOIC-16	Low-drift precision 2-wire trans.	16.25	15.43	14.66
312021CB	TI	XTR105AP⊕	DIP-14	4-20mA current transmitter	7.29	7.19	6.91
116206CB	✦	TC426CPA⊕	DIP-8	Dual 1.5A hi spd pwr MOSFET driver	1.03	.96	.945
245593CB	✦	TC426EOA⊕	SOIC-8	Dual 1.5A hi spd pwr MOSFET driver	.99	.95	.89
242077CB	✦	TC428CPA⊕	DIP-8	Dual MOSFET 1.5A driver	.95	.90	.86
242085CB	✦	MAX626CPA⊕	DIP-8	Dual 1.5A-peak low-side MOSFET driver	.99	.95	.90
242093CB	✦	MAX627CPA⊕	DIP-8	Dual MOSFET driver	1.05	.99	.94
246692CB	✦	LT1030N⊕	DIP-14	Quad low power line driver	~~$1.12~~ 1.01	.91	.68
310754CB	✦	TC1426COA⊕	SOIC-8	1.2A dual high-speed MOSFET drivers	.68	.66	.64
310771CB	✦	TC1426CPA⊕	DIP-8	1.2A dual high-speed MOSFET drivers	.86	.84	.82
12239CB	✦	CA3161E	DIP-16	BCD to 7-seg. decoder driver	2.39	2.10	1.86
310480CB	ON	MC33152D⊕	SOIC-8	Dual high-speed MOSFET drivers	1.15	1.07	.85
310439CB	ON	MC33152P⊕	DIP-8	Dual high-speed MOSFET drivers	1.05	.97	.76
25216CB	NSC	MC3479P⊕	DIP-16	Biphase stepper motor driver	3.79	3.22	2.55
24230CB	NSC	LM3914N⊕	DIP-18	Bar-graph display driver	2.39	2.05	1.94
300003CB	NSC	LM3914N-1⊕	DIP-18	Dot/bar display driver	1.65	1.54	1.38
246625CB	NSC	LM3914V⊕	PLCC-20	Dot/bar display driver	2.35	2.00	1.50
24256CB	NSC	LM3915N⊕	DIP-18	3 dB steps bar-graph disp. driver	~~$2.49~~ 2.19	1.64	1.23
24272CB	NSC	LM3916N⊕	DIP-18	VU meter display driver	2.19	1.65	1.22
291320CB	✦	MIC4420CM⊕	SOIC-8	6A-peak low-side MOSFET drvr	~~$1.05~~ .81	.79	.59
291434CB	✦	MIC4420CN⊕	DIP-8	6A-peak low-side MOSFET driver	1.23	1.12	1.00
251029CB	✦	TC4420COA⊕	SOIC-8	6A high speed MOSFET drivers	1.45	1.25	1.18
310965CB	✦	TC4422CPA⊕	DIP-8	9A high-speed MOSFET drivers	1.75	1.60	1.48
310800CB	✦	TC4422EPA⊕	DIP-8	9A high-speed MOSFET drvr, extended temp.	1.85	1.48	1.33
291590CB	✦	MIC4427CM⊕	SOIC-8	Dual 1.5A-peak low-side MOSFET drvr	~~$1.15~~ .87	.83	.62
312207CB	✦	MIC4429CM⊕	SOIC-8	6A-peak low-side MOSFET driver	.85	.83	.79
291645CB	✦	MIC4429CN⊕	DIP-8	6A-peak low-side MOSFET driver	1.45	1.28	1.21
243379CB	✦	MM5453N⊕	DIP-40	Liquid crystal display driver	~~$3.65~~ 2.69	2.44	2.10
314691CB	✦	ICL7136CPL⊕	DIP-40	3 1/2 digit LCD LP dsply driver	3.65	3.20	2.90
313453CB	✦	ICM7211AMIPL⊕	DIP-40	4-digit LCD display driver	2.49	2.25	2.10
313437CB	✦	ICM7218AIJI⊕	DIP-28	8-digit LED µP multi display decoder drvr	4.25	4.05	3.85
313445CB	✦	ICM7218BIJI⊕	DIP-28	8-digit LED µP multi display decoder drvr	5.69	5.50	5.25
312160CB	MAX	MAX7219CNG⊕	DIP-24	Serially interfaced 8-digit LED display drvr	8.95	6.95	4.65
312178CB	MAX	MAX7219CWG⊕	SO-24	Serially interfaced 8-digit LED display drvr	8.65	7.00	6.15
313322CB	✦	ICM7228AIPI⊕	DIP-28	8-digit µP compatible LED dsply decoder drvr	3.05	2.80	2.50
241875CB	✦	FAN8082⊕	DIP-8	Bi-directional, 18V DC motor driver	.65	.50	.40
241867CB	✦	FAN8200⊕	DIP-14	Bi-directional, 2-ch, 9V stepper motor drvr	.79	.68	.64
53663CB	✦	9368	DIP-16	7 segment driver/latch	3.99	3.49	3.20
256727CB	TI	SN65LVDS31D⊕	SOIC-16	High speed differential line driver	~~$2.95~~ 1.99	1.80	1.39
256719CB	TI	SN65LVDS048AD⊕	SOIC-16	LVDS quad differential line receiver	3.15	2.72	2.55
272188CB	TI	SN65LVDS050D⊕	SOIC-16	High speed diff. line driver/rcvr	~~$3.99~~ 3.59	3.35	3.13
241824CB	✦	MC14489BP⊕	DIP-20	5V LED display/lamp driver	4.29	3.75	3.52
287831CB	✦	MC14489BDW⊕	SOG-20	5V LED driver, 5 digit / 25 lamps	3.39	3.19	3.05
50884CB	✦	SN75154N⊕	DIP-16	Quad line receiver	~~$.75~~ .68	.51	.39
277907CB	✦	SN75172N⊕	DIP-16	Quad differential line driver	~~$1.15~~ .94	.87	.65
245331CB	✦	SN75173D⊕	SOIC-16	Quad differential line receiver	1.15	.98	.73
277958CB	✦	SN75179BD⊕	SOIC-8	Differential driver and receiver pair	1.07	.90	.67
277940CB	✦	SN75179BP⊕	DIP-8	Differential driver and receiver pair	.67	.61	.45
278133CB	TI	SN75LBC180AN⊕	DIP-14	Low pwr diff. line driver/receiver pairs	2.15	2.10	2.05
277966CB	✦	SN75182N⊕	DIP-14	Dual differential line receivers	~~$.79~~ .63	.58	.43
277974CB	✦	SN75183N⊕	DIP-14	Dual differential line drivers	~~$1.19~~ .91	.84	.71
51027CB	✦	SN75451AN⊕	DIP-8	Dual peripheral AND drivers	.34	.31	.19
51035CB	✦	SN75452N⊕	DIP-8	Dual peripheral NAND drivers	.45	.23	.21

✦ Jameco Value Offering

Interface Series (Continued)

Package (see pg 35)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
278002CB	✦	SN75453BP⊕	DIP-8	Dual peripheral OR drivers	~~$.39~~ $.30	$.25	$.20
277317CB	✦	SN75454BP⊕	DIP-8	Dual peripheral NOR drivers	.56	.42	.31
277430CB	✦	SN75462P⊕	DIP-8	Dual peripheral NAND drivers	.65	.49	.36
278037CB	✦	SN75471P⊕	DIP-8	Dual peripheral AND driver	~~$.63~~ .50	.38	.25
278053CB	✦	SN75472P⊕	DIP-8	Dual peripheral NAND driver	~~$.54~~ .39	.36	.27
278061CB	✦	SN75477P⊕	DIP-8	Dual peripheral NAND driver	~~$.56~~ .35	.33	.245
51131CB	✦	SN75492P	DIP-14	Hex digit driver (492)	3.45	3.00	2.85
310746CB	✦	SN751177N⊕	DIP-16	Dual differential drivers/receivers	2.89	2.50	2.44
253083CB	✦	SN751730N⊕	DIP-16	Triple line driver/receiver	3.15	2.72	2.04

✦ Jameco Value Offering

Digital Interface ICs

DIP



Part No.	Product No.	Pkg.	Description	1	10	50
323969CB	EDEFT609⊕	DIP-8	Serial stepper motor controller	$11.99	$11.39	$10.49
323977CB	EDEFT639/P⊕	DIP-8	Servo controller	9.99	9.49	8.49
323993CB	EDEFT649⊕	DIP-8	Five pin output controller	9.99	9.49	8.49
171951CB	EDE702⊕	DIP-18	Serial LCD interface	8.99	7.65	6.75
321710CB	EDE707⊕	DIP-28	Octal 7-segment LED display decoder	8.99	7.65	6.75
321728CB	EDE747⊕	DIP-24	7-segment decoder/driver	5.99	4.65	4.15
321701CB	EDE1188⊕	DIP-28	8x8 matrix universal keypad encoder	8.89	7.65	6.75
171969CB	EDE1144⊕	DIP-18	Keypad encoder	6.99	5.65	5.00
141532CB	EDE1200⊕	DIP-18	Unipolar stepper motor controller	8.29	6.90	5.90
157526CB	EDE1204⊕	DIP-18	Bipolar stepper motor controller	8.29	6.90	5.90
321736CB	EDE2008⊕	DIP-18	Pushbutton debouncer w/ 8-independent chan	5.99	4.65	4.15
321744CB	EDE2108A⊕	DIP-20	One-of-eight latcher single channel	5.99	5.09	4.15
321752CB	EDE2108D⊕	DIP-20	One-of-eight latcher act/deact	5.99	5.09	4.15
321761CB	EDE2208/P⊕	DIP-18	8-pushbutton momentary to toggle	5.69	3.99	3.79
324005CB	EDE8744⊕	DIP-28	16-key serial keypad and 2x40 LCD driver	13.89	11.79	10.65

5000 Series & Clock Chips

DIP SOIC





Part No.	Cross Ref.	Pkg.	Description	1	10	50
32803CB	TCM5089N	DIP-16	Integrated tone dialer chip	$5.25	$4.75	$4.05
26091CB	MM5321N✪	DIP-16	TV camera synchronous generator	4.75	4.31	3.91
26171CB	MM5450N	DIP-40	34-segment LED display driver	2.79	2.60	2.30
86799CB	LM555CM⊕	SOIC-8	Timer (NE555D)	.25	.16	.13
27422CB	LM555CN**⊕	DIP-8	Timer (MC1455P/NE555V)	.29	.23	.20
126797CB	LMC555CN*⊕	DIP-8	CMOS 555 timer	.51	.47	.42
24328CB	LM556N*⊕	DIP-14	Dual 555 timer	.82	.60	.45
243395CB	DP8573AN⊕	DIP-24	5V real time clock chip	11.25	9.90	8.75
26201CB	MM58167AN♣	DIP-24	Microprocessor real time clock	2.89	2.63	2.39
95530CB	RTC72421B⊕	DIP-18	Real time clock module	6.79	5.69	4.34
25101CB	MC146818♣⊕	DIP-24	Real time clock plus RAM	6.29	5.66	5.09
10567CB	AM9513APC♣	DIP-40	System timing counter	39.95	35.95	31.85

*10 pcs. in Linear series IC cabinet kit, pg 38 **20 pcs. in Linear series IC cabinet kit, pg 38

♣ Pull = Extra Savings ✪ Blue Part No. = Limited Quantity Available

UARTs

DIP PLCC





Part No.	Cross Ref.	Pkg.	Description	1	10	100
43158CB	6402♣	DIP-40	CMOS/LSI UART (TR1863)	$6.25	$5.35	$4.99
27570CB	NS16C450N	DIP-40	CMOS ACE (IBM-AT compat.) (82C450)	2.39	1.93	1.53
288753CB	TL16C450FN⊕	PLCC-68	5V UART, 1-channel w/o FIFO	~~$2.65~~ 2.39	1.94	1.45
288761CB	TL16C451FN⊕	PLCC-68	5V UART, 1-ch w/o FIFO, parallel port	~~$4.39~~ 3.99	3.23	2.55
288770CB	TL16C452FN⊕	PLCC-68	5V UART, 2-channel w/o FIFO, parallel port	4.45	3.59	2.85
27596CB	NS16550AN♣⊕	DIP-40	UART w/ FIFO (PC16550DN)	4.45	4.05	2.25
288796CB	TL16C550CFN⊕	PLCC-44	5V UART, 1-channel w/ FIFO, ACF	~~$3.09~~ 2.75	2.27	1.70
288809CB	TL16C550CN⊕	DIP-40	5V UART, 1-channel w/ FIFO, ACF	~~$3.09~~ 2.79	2.27	1.79
288825CB	TL16C552AFN⊕	PLCC-68	5V UART, 2-ch, bicentronics port	~~$5.99~~ 5.45	4.43	3.78
288841CB	TL16C554FN⊕	PLCC-68	5V UART, 4-channel w/ 16B FIFO	9.89	9.39	8.93
288876CB	TL16C750FN⊕	PLCC-44	5V UART, 1-channel w/ 64B FIFO	5.75	5.65	5.55
288905CB	TL16C754BFN⊕	PLCC-68	5V UART, 4-channel w/ 64B FIFO	13.69	12.99	12.35

♣ Pull = Extra Savings

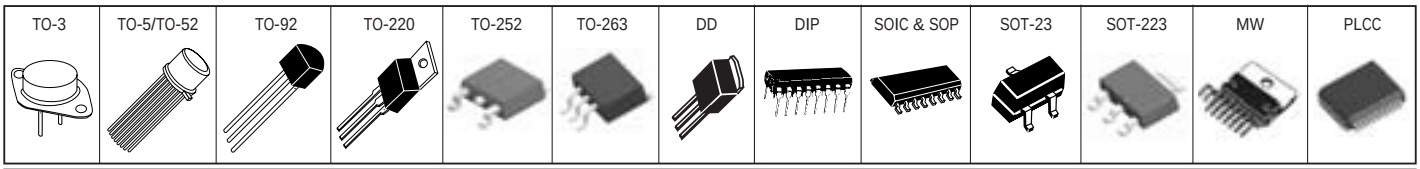
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Encoders/Decoders, Motor Drivers, A/D & D/A

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.



Manufacturer Cross Reference Table

Jameco Value Offering ✦

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Encoders/Decoders

Package (see above)

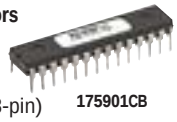
Part No.	Cross Ref.	Pkg.	Description	1	10	100
243942CB	HCS300⊕	DIP-8	2-6.3V, Code hopping decoder	$1.75	$1.69	$1.63
243483CB	HCS512⊕	DIP-18	3-6V, Code hopping decoder	7.05	6.85	6.80
243934CB	HCS515⊕	DIP-14	3-6V, Code hopping decoder	3.05	2.89	2.75
243951CB	HCS2000	DIP-8	3.5-13V, Code hopping decoder	1.55	1.50	1.45
123730CB	HT12E⊕	DIP-18	Encoder 12-bit	1.69	1.49	1.29
123748CB	HT12D⊕	DIP-18	Decoder 8-bit address/4-bit data	1.69	1.49	1.29
126607CB	HT648L⊕	DIP-24	Remote control decoder ~~$2.89~~	2.39	2.05	1.84
243441CB	MCP2120⊕	DIP-14	IrDA encoder/decoder	2.05	1.95	1.89
243459CB	MCP2150⊕	DIP-18	IrDA standard protocol stack controller	7.59	7.39	7.03
243408CB	TP3054⊕	DIP-16	5V serial PCM u-Law ~~$2.69~~	2.45	1.92	1.48
243416CB	TP305⊕7	DIP-16	5V serial PCM A-Law ~~$2.35~~	2.15	1.65	1.28
243424CB	TP3064⊕	DIP-20	5V serial PCM u-Law	3.19	3.11	3.05
243432CB	TP3067⊕	DIP-20	5V serial PCM A-Law	2.29	1.81	1.56
289529CB	TLC320AC01CFN	PLCC-28	Audio codec, 14-bit, 1-channel, 25kHz ~~$6.99~~	6.55	6.25	5.95
287937CB	MCP2120⊕	SOIC-14	IrDA encoder/decoder	1.99	1.89	1.85
287945CB	MCP2140-I/P⊕	DIP-18	IrDA controller, + DTE/DCE endec	2.29	2.26	2.17
287953CB	MCP2140-I/SO⊕	SOIC-18	IrDA controller, + DTE/DCE endec	2.29	2.22	2.15
287961CB	MCP2140-I/SS⊕	SSOP-20	IrDA controller, + DTE/DCE endec	2.39	2.35	2.27
287970CB	MCP2150-I/SO⊕	SOIC-18	IrDA standard protocol stack controller	6.95	6.85	6.70
291004CB	TP3054WM⊕	SOIC-16	PCM codec, 1-ch., u-law, 2MHz ~~$2.25~~	2.05	1.60	1.20
287849CB	MC145026D⊕	SOIC-16	Encoder, 9-line, simplex, OSC. ~~$1.99~~	1.49	1.04	1.00
296702CB	MC145026P⊕	DIP-16	Encoder, 9-line, simplex, OSC. ~~$1.99~~	1.45	.97	.94
287865CB	MC145027DW⊕	SOIC-16	Decoder, 5-line, simplex, OSC. ~~$2.39~~	2.15	1.98	1.80
296711CB	MC145027P⊕	DIP-16	Decoder, 5-line, simplex, OSC. ~~$2.25~~	1.85	1.29	1.23
296729CB	MC145028P⊕	DIP-16	Decoder, 9-line simplex, OSC. ~~$2.75~~	2.25	1.55	1.16
287873CB	MC145481DW⊕	SOG-20	PCM codec, 13-bit, 1-ch., u-law/a-law ~~$2.69~~	2.45	2.40	2.35
287881CB	MC145483SD⊕	SSOP-20	PCM codec, 13-bit, 1-ch., u-law/a-law ~~$3.05~~	2.85	2.70	2.58
287890CB	MC145484DW⊕	SOIC-20	PCM codec, 13-bit, 1-ch., u-law/a-law	2.19	1.75	1.73
287902CB	MC145484SD⊕	SSOP-20	PCM codec, 13-bit, 1-ch., u-law/a-law	2.75	2.49	2.35

KAE Servo and Stepper Motor Controllers

Controllers operate from standard 8-bit serial interface (RS232 or RS485). Using RS485, any mix of up to 32 controllers may be operated from a single serial port. Complete documentation.

146472CB: PIC-SERVO Motion Control Chipset for DC Motors

- PIC servo control for DC motors with digital encoders
- 32-bit position, velocity, and acceleration resolution
- PWM and direction outputs connect to servo amplifier
- Two chip set (PIC-SERVO V.4, 28-pin and PIC-ENC V.1, 18-pin)



175901CB

175901CB: PIC-STEP Motion Control Chip for Stepper Motors

- Step rates up to 50,000 steps/sec. – suitable for use with microstepping drivers
- Trapezoidal positioning and profiled velocity modes
- Programmable current limits automatically switch between holding and running currents • Programmable accelerations and minimum step rates

323934CB: PIC-SERVO SC Servo Motion Control I.C.

- Servo controller for DC motors (brush or brushless w/ incremental encoder feedback)
- Serial interface connects to RS232/485/422 communication port
- Position control, velocity control, trapezoidal profiling, plus step and direction inputs

Part No.	Description	Package	1	10	50
146472CB	PIC-SERVO chip set⊕	DIP-28/18, 0.3"	$31.35	$26.55	$25.15
175901CB	PIC-STEP chip⊕	DIP-28, 0.3"	24.25	21.65	19.55
323934CB	KAE-T01V10-DP⊕	DIP-28, 0.3"	29.95	27.50	25.75

Stepper Motor Drivers/Controllers

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
288059CB	L292⊕	Multiwatt-15	Switch mode DC motor drive, 36V, 36kHz	$5.29	$5.03	$4.78
310703CB	L294⊕	Multiwatt-11	Switch mode solenoid driver	3.05	2.63	2.35
310738CB	L295⊕	Multiwatt-15	Dual switch mode solenoid driver	6.19	5.75	5.49
288067CB	L297/1⊕	DIP-20	5V stepper motor controller	5.19	4.99	4.46
288075CB	L297D⊕	SOIC-20	5V stepper motor controller	5.99	5.69	5.40
245403CB	L298N⊕	Multiwatt-15	Dual full-bridge driver (MW-15 pkg.)	2.95	2.55	2.35
288083CB	L6201⊕	SOIC-20	36V DMOS full bridge motor driver	7.79	7.19	6.45
288091CB	L6202⊕	DIP-18	36V DMOS full bridge motor driver	7.15	6.62	5.29
288104CB	L6203⊕	Multiwatt-11	36V DMOS full bridge motor drvr ~~$12.35~~	10.05	9.75	9.15
288112CB	L6506⊕	DIP-18	5V stepper motor current controller ~~$4.25~~	2.89	2.80	2.65
288121CB	L6506D⊕	SOIC-20	5V stepper motor current controller ~~$4.49~~	3.95	3.65	3.31

A/D & D/A Converters

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43748CB	7106CPL⊕	DIP-40	A/D with 3 1/2-digit LCD control	$3.25	$2.91	$2.41
43756CB	7107CPL⊕	DIP-40	A/D with 3 1/2-digit LED control	2.95	2.40	2.05
290263CB	ICL7135CPI⊕	DIP-28	4 1/2 digit precision A/D converter	5.55	4.48	3.83
289545CB	TLC540IDW⊕	SOIC-20	8-bit A/D w/ MUX, sample and hold, serial, 75kHz	3.39	3.25	3.15
289553CB	TLC540IFN⊕	PLCC-20	8-bit A/D w/ MUX, sample/hold, serial, 75kHz	3.39	3.29	3.15
289588CB	TLC540IN⊕	DIP-20	8-bit A/D w/ MUX, sample/hold, serial, 75kHz	3.35	3.15	2.99
289596CB	TLC541IDW⊕	SOIC-20	8-bit A/D w/ MUX, sample/hold, serial, 40kHz	2.75	2.60	2.55
289609CB	TLC541IFN⊕	PLCC-20	8-bit A/D w/ MUX, sample/hold, serial, 40kHz	2.65	2.33	1.74
289625CB	TLC541IN⊕	DIP-20	8-bit A/D w/ MUX, sample/hold, serial, 40kHz	2.85	2.69	2.55
289684CB	TLC542CDW⊕	SOIC-20	8-bit A/D w/ OSC., 25kHz	2.55	2.47	2.45
289692CB	TLC542CN⊕	DIP-20	8-bit A/D w/ OSC., 25kHz	2.55	2.47	2.45
289705CB	TLC542IFN⊕	PLCC-20	8-bit A/D w/ OSC., 25kHz ~~$2.79~~	2.49	2.30	1.80
289713CB	TLC545CN⊕	DIP-28	8-bit A/D w/ MUX, sample/hold, serial 76kHz	5.45	5.35	5.25
289730CB	TLC548ID⊕	SOIC-8	8-bit A/D w/ sample/hold, 1-channel, 45kHz	2.39	2.25	2.20
289756CB	TLC548CP⊕	DIP-8	8-bit A/D w/ sample/hold, 1-channel, 45kHz	2.55	2.35	2.15
289781CB	TLC549CD⊕	SOIC-8	8-bit A/D w/ sample/hold, 1-ch, 45kHz ~~$1.95~~	1.85	1.70	1.60
289810CB	TLC549CP⊕	DIP-8	8-bit A/D w/ sample/hold, 1-ch, 45kHz ~~$1.99~~	1.85	1.70	1.52
290984CB	TLV571IDW⊕	SOIC-24	8-bit, 1-ch parallel A/D converter, 2.7V to 5.5V	4.29	4.09	3.99
290992CB	TLV571IPW⊕	TSSOP-24	8-bit, 1-ch parallel A/D converter, 2.7V to 5.5V	4.29	4.09	3.99
10145CB	ADC0803LCN⊕	DIP-20	8-bit A/D 1-input (±1/2 LSB), 100µs ~~$6.95~~	4.29	3.10	2.69
10153CB	ADC0804LCN⊕	DIP-20	8-bit A/D 1-input (±1 LSB), 100µs	1.99	1.75	1.39
10170CB	ADC0808CCN⊕	DIP-28	8-bit A/D w/ 8-ch. mux. (±1/2 LSB), 100µs ~~$5.59~~	3.65	3.55	3.32
10188CB	ADC0809CCN⊕	DIP-28	8-bit A/D w/ 8-ch. mux. (±1 LSB), 100µs	2.65	2.35	1.80
10209CB	ADC0817CCN⊕	DIP-40	8-bit A/D w/ 16-ch. mux. (±1/2 LSB), 100µs ~~$9.95~~	7.15	5.87	5.55
10225CB	ADC0820CCN⊕	DIP-20	8-bit hi spd (1/2µs) A/D w/ track&hold ~~$4.95~~	2.15	1.99	1.81
116100CB	ADC0831CCN⊕	DIP-8	8-bit A/D w/ mux. diff. input (±1 LSB), 32µs	1.79	1.63	1.48
290474CB	TLV0831CD⊕	SOIC-8	8-bit A/D, multiplexer, serial, 49kHz	2.39	2.29	2.25
290491CB	TLV0831CP⊕	DIP-8	8-bit A/D, multiplexer, serial, 49kHz	2.29	2.03	1.52
251176CB	TL0831CP⊕	DIP-8	8-bit A/D, w/ serial control (±1 LSB), 32µs	2.69	2.55	2.45
290538CB	TLC0832CD⊕	SOIC-8	8-bit A/D, multiplexer, serial, 45kHz	2.39	2.29	2.25
290554CB	TLV0832CP⊕	DIP-8	8-bit A/D, multiplexer, serial, 45kHz	2.39	2.29	2.25
290562CB	TLV0834CD⊕	SOIC-14	8-bit A/D, multiplexer, serial, 41kHz ~~$2.49~~	2.25	2.02	1.51
290571CB	TLV0834IN⊕	DIP-14	8-bit A/D, multiplexer, serial, 41kHz	2.65	2.57	2.50
290600CB	TLV0838CDW⊕	SOIC-20	8-bit A/D, mulitplexer, serial, 38kHz	2.49	2.39	2.35
290618CB	TLV0838IN⊕	DIP-20	8-bit A/D, multiplexer, serial, 38kHz	2.65	2.55	2.50
287603CB	ADS930E⊕	SSOP-28	8-bit A/D (±1 LSB), 30MHz	4.89	4.60	4.00
296690CB	AD7226KN⊕	DIP-20	8-bit A/D 4-input (±1 LSB), 5us ~~$19.89~~	18.19	17.17	15.95
287321CB	AD7226KR	SOIC-28	8-bit A/D 4-input (±1 LSB), 5us	19.89	18.79	17.65
242296CB	TLC1543⊕	DIP-20	10-bit A/D 11-inputs (±1 LSB), 38ksps ~~$3.15~~	2.95	2.55	2.20
242309CB	TLC1549⊕	DIP-20	10-bit A/D 1-input (±1 LSB), 38ksps	3.35	2.91	2.45
287591CB	ADS901E⊕	SSOP-28	10-bit A/D, (±1LSB), 25MHz	6.49	6.25	5.90

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

A/D, D/A & Voltage Regulators

RoHS Compliant Product
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Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

A/D & D/A Converters (Continued)

Package (see pg 37)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
288681CB	THS1030IDW	SOIC-28	10-bit A/D, 30Msps parallel	$7.29	$7.05	$6.75
288690CB	THS1031IDW	SOIC-28	10-bit A/D, 30Msps parallel	8.09	7.85	7.55
288729CB	THS1031IPW	TSSOP-28	10-bit A/D, 30Msps parallel	8.09	7.85	7.55
289001CB	TLC1541CDW	SOP-20	10-bit A/D, 11-input serial, 32kHz	6.05	5.75	5.45
289019CB	TLC1541CN	DIP-20	10-bit A/D, 11-input serial, 32kHz	6.09	5.85	5.75
289027CB	TLC1541CFN	PLCC-20	10-bit A/D, 11-input serial, 32kHz	5.79	5.59	5.39
289078CB	TLC1542CDW	SOP-20	10-bit A/D, 11-input ser. (±1/2 LSB Lin.) 38kHz	~~$4.65~~ 4.15	3.85	3.49
289107CB	TLC1542CN	DIP-20	10-bit A/D, 11-input ser. (±1/2 LSB Lin.) 38kHz	4.55	4.39	4.25
289115CB	TLC1542CFN	PLCC-20	10-bit A/D, 11-input ser. (±1/2 LSB Lin.) 38kHz	4.55	4.39	4.25
289123CB	TLC1543CDB	SSOP-20	10-bit A/D, 11-input serial, 38kHz	3.65	3.25	3.05
289131CB	TLC1543CDW	SOIC-20	10-bit A/D, 11-input serial, 38kHz	3.35	3.25	3.09
289220CB	TLC1543CFN	PLCC-20	10-bit A/D, 11-input serial, 38kHz	3.35	3.25	3.09
289271CB	TLC1543QDB	SSOP-20	10-bit A/D, 11-input ser. 38kHz, ext. temp.	4.05	3.79	3.75
289300CB	TLC1543QDW	SOIC-20	10-bit A/D, 11-input ser. 38kHz, ext. temp.	3.99	3.79	3.75
289334CB	TLC1543QFN	PLCC-20	10-bit A/D, 11-input ser. 38kHz, ext. temp.	3.99	3.79	3.75
289369CB	TLC1549CD	SOP-8	10-bit A/D, 11-input ser. 38kHz	3.35	3.19	3.05
289377CB	TLC15511FN	PLCC-28	10-bit A/D, 11-input parallel, 164kHz, ITMP	6.29	5.99	5.70
277165CB	MAX186BCPP	DIP-20	12-bit A/D serial 8-input, low power	29.95	23.55	21.25
277157CB	MAX186DCWP	SOIC-20	12-bit A/D serial 8-input, low power	19.75	15.55	13.99
277069CB	MAX197BCNI	DIP-28	12-bit A/D w/ 8-ch, 1/2 LSB	24.89	22.90	20.95
287515CB	ADS574JP✪	DIP-28	12-bit A/D (±1 LSB), 40ksps	38.79	36.85	35.00
287574CB	ADS574KP✪	DIP-28	12-bit A/D (±1/2 LSB), 40ksps	44.75	42.49	40.39
287582CB	ADS774JU	SOIC-28	12-bit A/D (±1 LSB), 125ksps	35.45	33.69	32.00
289422CB	TLC2543CDW	SOIC-20	12-bit A/D, 11-input serial, 66kHz	8.35	7.95	7.55
289431CB	TLC2543CFN	PLCC-20	12-bit A/D, 11-input serial, 66kHz	7.05	5.69	4.85
289465CB	TLC2543CN	DIP-20	12-bit A/D, 11-input serial, 66kHz	8.35	7.95	7.55
289473CB	TLC2543CDB	SSOP-20	12-bit A/D, 11-input serial, 66kHz	8.35	7.95	7.55
290634CB	TLV2543CDW	SOIC-20	12-bit A/D, 11-channel serial	7.99	7.79	7.55
290669CB	TLV2543CDW	DIP-20	12-bit A/D, 11-channel serial	8.35	7.95	7.55
43764CB	7109CPL	DIP-40	12-bit A/D 1-input (±2 LSB), 30sps	~~$7.49~~ 5.69	3.56	3.34
311781CB	MCP3221A5T-I/OT	SOT-23A/5	12-bit A/D, low-power I2C interface	2.05	1.95	1.85
287988CB	MCP3301-CI/MS	MSOP-8	13-bit A/D, 1-input serial, diff. input	2.79	2.65	2.57
287996CB	MCP3301-CI/P	DIP-8	13-bit A/D, 1-input serial, diff. input	2.59	2.49	2.40
288008CB	MCP3302-CI/P	DIP-14	13-bit A/D, 2-input serial, diff. input	3.59	3.45	3.30
288016CB	MCP3302-CI/SL	SOIC-14	13-bit A/D, 2-input serial, diff. input	3.59	3.45	3.30
288024CB	MCP3302-CI/ST	TSSOP-14	13-bit A/D, 2-input serial, diff. input	3.85	3.65	3.52
288032CB	MCP3304-CI/P	DIP-16	13-bit A/D, 4-input serial, diff. input	3.95	3.79	3.65
288041CB	MCP3304-CI/SL	SOIC-16	13-bit A/D, 4-input serial, diff. input	3.95	3.79	3.65
277149CB	MAX110ACWE	SOIC-16	14-bit A/D serial w/ 2-ch, 550µA ± .03% typ. acc.	~~$15.25~~ 13.25	11.99	10.79
277131CB	MAX110BCPE	DIP-16	14-bit A/D serial w/ 2-ch, 550µA ± .05% typ. acc.	11.69	9.21	8.29
277122CB	MAX110BCWE	SOIC-16	14-bit A/D serial w/ 2-ch, 550µA ± .05% typ. acc.	~~$11.69~~ 10.15	9.21	8.29
313779CB	TC500ACOE	SOIC-16	17-bit A/D analog "front end", 18mW	4.55	4.51	4.46
313787CB	TC500CPE	DIP-16	17-bit A/D analog "front end", 18mW	3.35	3.05	2.89
287312CB	AD676JD	DIP-28	16-bit A/D 1-input (±1 LSB), 100ksps	85.69	83.85	81.99
242317CB	ADS7805	DIP-28	16-bit A/D 1-input (±3 LSB), 100ksps	38.29	36.35	34.52
242325CB	ADS7813	DIP-16	16-bit A/D 1-input (±2 LSB), 40ksps	35.25	34.20	33.15
239417CB	ADS7825	DIP-28	16-bit A/D 4-input (±2 LSB), 40ksps	46.55	43.45	41.35
287401CB	AD976ABN	DIP-28	16-bit A/D 1-input (± 2LSB), 200ksps	72.69	69.49	66.05
287419CB	AD976ABRS	SSOP-28	16-bit A/D 1-input (±2 LSB), 200ksps	72.99	69.49	66.05
287435CB	AD976BR	SOIC-28	16-bit A/D 1-input (±3 LSB), 100ksps	58.55	55.59	52.85
288593CB	PCM1800E	SSOP-24	20-bit stereo A/D, 2-input serial, 32-48kHz	4.75	4.65	4.49
288622CB	PCM1801U	SOIC-14	20-bit stereo A/D, 2-input serial, 32-48kHz	4.89	4.29	4.15
287363CB	AD7714AN	DIP-24	24-bit A/D 6-input, 38ksps	18.35	17.95	17.50
316726CB	TC7117CPL	DIP-40	A/D conv w/ 3 1/2 digit LED/LCD driver	2.75	2.55	2.25
287793CB	MC144110DW	SOIC-20	6-bit D/A, 6-input, serial R-2R	~~$4.45~~ 4.05	3.95	3.90
287822CB	MC144111DW	SOIC-16	6-bit D/A, 4-input, serial R-2R	~~$3.65~~ 2.99	2.00	1.75
115158CB	AD558JN	DIP-16	8-bit D/A 1-input (±1/2 LSB), 200ns	12.59	11.99	11.29
14904CB	DAC0800LCN	DIP-16	8-bit D/A (±1 LSB), 100ns	~~$1.79~~ 1.65	1.46	.96
14912CB	DAC0806LCN	DIP-16	8-bit D/A (±1 LSB), 150ns (MC1408P6)	2.09	2.05	2.00
14947CB	DAC0808LCN	DIP-16	8-bit D/A (±1 LSB), 150ns (MC1408P8)	1.43	1.18	.92
14963CB	DAC0830LCN	DIP-20	8-bit D/A double buffer (.05% Lin.), 1µs	~~$5.95~~ 4.79	4.39	3.99
128186CB	DAC0832LCN	DIP-20	8-bit D/A double buffer (.20% Lin.), 1µs	~~$3.09~~ 2.59	1.98	1.53
290781CB	TLV5604ID	SOIC-16	8-bit D/A, 4-channel, serial	6.85	6.75	6.39
290790CB	TLV5604IPW	TSSOP-16	8-bit D/A, 4-channel, serial	6.85	6.75	6.39
289836CB	TLC5620CN	DIP-14	8-bit D/A, 4-channel, serial	2.89	2.72	2.69
289844CB	TLC5620CD	SOIC-14	8-bit D/A, 4-channel, serial	2.75	2.64	2.55
289861CB	TLC5628CDW	SOIC-16	8-bit D/A, 8-channel, serial, 5V	4.75	4.29	4.15
289879CB	TLC5628CN	DIP-16	8-bit D/A, 8-channel, serial, 5V	4.65	4.55	4.30

✪ Blue Part No. = Limited Quantity Available

A/D & D/A Converters (Continued)

Package (see pg 37)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
290968CB	TLV5628DW	SOIC-16	8-bit D/A, 8-channel, serial, 3V	~~$4.49~~ $4.15	$3.95	$3.75
290976CB	TLV5628CN	DIP-16	8-bit D/A, 8-channel, serial, 3V	4.69	3.79	2.99
54025CB	AD7523JN	DIP-16	8-bit D/A 1-input (±1 LSB), 150ns	2.99	2.49	2.19
289895CB	TLC7524CD	SOIC-16	8-bit D/A, multiplier, parallel	2.49	2.08	1.64
290052CB	TLC7524CN	DIP-16	8-bit D/A, multiplier, parallel	2.75	2.39	1.95
290087CB	TLC7528CN	DIP-20	8-bit D/A, multiplier, parallel	2.75	2.23	1.75
290095CB	TLC7528IDW	SOIC-20	8-bit D/A, multiplier, parallel	2.79	2.37	1.87
287339CB	AD7628KN	DIP-20	8-bit D/A 2-input (±1 LSB), 350ns	4.35	3.79	3.70
239425CB	TLC5615	DIP-8	10-bit D/A 1-input (±1 LSB), 12µs	3.49	2.79	2.32
287380CB	AD9760AR	SOIC-28	10-bit D/A, 125Msps	~~$8.19~~ 6.05	5.50	5.00
287443CB	AD9832BRU	TSSOP-16	10-bit DDS D/A, 25MHz	~~$8.89~~ 7.95	7.40	5.55
287451CB	AD9850BRS	SSOP-28	10-bit DDS D/A w. comp., 3.5ns ..	~~$20.09~~ 18.49	17.25	15.73
287347CB	AD767JN	DIP-24	12-bit D/A 1-input (± 1 LSB), 4us	20.49	19.49	18.50
287355CB	AD767KN	DIP-24	12-bit D/A 1-input (± 1/2 LSB), 4us	17.75	17.35	16.75
14980CB	DAC1222LCN	DIP-18	12-bit D/A (.20% Lin.), 500ns	10.95	9.85	8.85
290802CB	TLV5610IDW	SOIC-20	12-bit D/A, 8-channel, serial	15.99	15.25	14.49
290845CB	TLV5610IPW	TSSOP-20	12-bit D/A, 8-channel, serial	16.05	15.25	14.49
290829CB	TLV5613IDW	SOIC-20	12-bit D/A, 1-channel, parallel	5.09	4.99	4.75
290853CB	TLV5613IPW	TSSOP-20	12-bit D/A, 1-channel, parallel	5.09	5.00	4.75
290896CB	TLV5614CD	SOIC-16	12-bit D/A, 4-channel, serial	13.35	12.95	12.59
290933CB	TLV5614CPW	TSSOP-16	12-bit D/A, 4-channel, serial	13.35	12.95	12.59
287398CB	AD9764AR✪	SOIC-28	14-bit D/A, 125Msps	14.25	11.75	11.15
239433CB	DAC712	DIP-28	16-bit D/A 1-input (±1 LSB), 10µs	20.05	18.93	17.96
242771CB	DAC714P	DIP-16	16-bit D/A w/ ser. interf. (±1 LSB), 10µs, mult. out. ranges	~~$39.35~~ 31.55	30.55	29.55
243336CB	DAC715	SOIC-28	16-bit D/A w/ bus interf. (±1 LSB), 10µs	33.15	33.00	32.85
243344CB	DAC716	DIP-16	16-bit D/A w/ serial interf. (±1 LSB), 10µs	~~$27.45~~ 25.25	25.00	24.85

Low Drop-Out Voltage Regulators

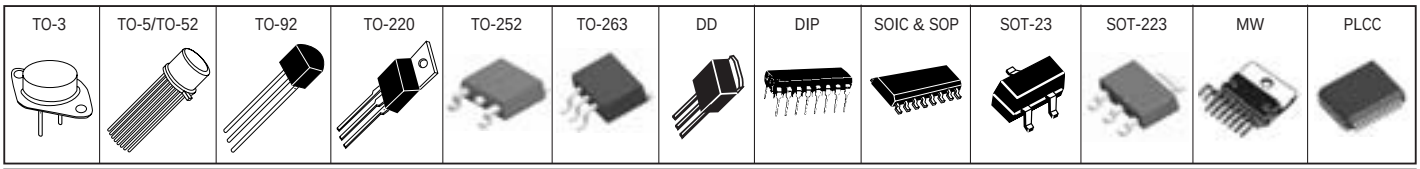
Package (see pg 37)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
299743CB	✦	LM1084IT-ADJ	TO-220	5A low drop out adj. pos. volt. reg.	$1.75	$1.32	$.98
299735CB	✦	LM1084IT-3.3	TO-220	5A low drop out 3.3V pos. volt. reg.	1.75	1.32	.98
309770CB	✦	LM1084IT-12✪	TO-220/3	5A low drop-out pos. 12V volt. reg. ..	1.17	1.09	1.02
314587CB	ANA	AP1084T	TO-220/3	5A LDO pos volt reg (adj)	1.19	.95	.77
282781CB	✦	LD1085D2M33	DD	3A low drop pos volt reg. adj./fixed	~~$1.89~~ 1.69	1.54	1.40
282757CB	✦	LT1085CT	TO-220	3A low drop pos volt reg. adj./fixed ..	1.79	1.61	1.45
302471CB	✦	LM1085IS-ADJ	TO-263	3A low drop out adj. pos. volt. reg.	1.29	.97	.72
302463CB	✦	LM1085IS-3.3	TO-263	3A low drop out 3.3V pos. volt. reg.	~~$1.29~~ 1.20	.90	.68
302455CB	✦	LM1085IT-ADJ	TO-220	3A low drop out adj. pos. volt. reg. ...	2.49	1.85	1.39
244312CB	✦	LD1086D2M33	TO-263/3	3.3V, low dropout voltage reg.	1.69	1.44	1.08
314579CB	ANA	AP1086D	TO-252/3	1.5A LDO pos volt reg (adj)	1.25	.91	.67
245526CB	✦	LM1086CS-ADJ	TO-263/3	1.5A low dropout positive reg.	1.99	1.51	1.13
192305CB	✦	LM1086CT-3.3	TO-220/3	1.5A low dropout positive reg. (3.3V) ...	1.09	.81	.60
192313CB	✦	LM1086CT-5.0	TO-220/3	1.5A low dropout positive reg. (5V) ..	1.18	.87	.68
192292CB	✦	LM1086CTADJ	TO-220/3	1.5A low dropout positive reg.	1.40	1.19	.89
314552CB	ANA	AP1086D33	TO-252/3	1.5A low dropout positive volt reg (3.3V)	1.19	.90	.665
314536CB	ANA	AP1086T	TO-220/3	1.5A pos LDO voltage reg (adj)	1.25	.91	.67
314501CB	ANA	AP1086T33R	TO-220/3	1.5A pos LDO voltage reg (3.3V)	1.25	.91	.67
314481CB	ANA	AP117D	TO-252/3	1A pos adj LDO voltage reg	1.03	.76	.551
314472CB	ANA	AP1117D50	TO-252/3	1A pos LDO voltage reg (5V)	1.03	.76	.551
314464CB	ANA	AP117E25	SOT-223/3	1A pos LDO voltage reg (2.5V)	.91	.68	.494
314448CB	ANA	AP1117E50	SOT-223/3	1A pos LDO voltage reg (5V)	.89	.68	.494
314376CB	ANA	AP1117T	TO-220/3	1A pos. adj. LDO voltage reg.	1.19	.865	.66
242042CB	✦	LM1117DT-3.3	TO-252/3	800mA low dropout linear reg.	.78	.66	.50
242069CB	✦	LM1117DT-5.0	TO-252/3	800mA, 5V, low dropout voltage reg.	1.09	.79	.59
251782CB	✦	LM1117MPX-ADJ	SOT-223/3	800mA low drop out linear regulator	.37	.35	.33
242114CB	✦	LM1117-3.3	TO-220/3	800mA, 3.3V, LDO voltage reg.	.66	.625	.57
243539CB	✦	LM1117-ADJ	TO-220/3	800mA, adj., LDO voltage reg.	1.27	.83	.68
314325CB	ANA	AP1184K5✪	TO-263/5	4A ultra LDO adjustable regulator	5.29	3.69	3.29
314326CB	ANA	AP1184K5LR	TO-263/5	4A ultra LDO adj. reg. (ROHS comp.)	5.29	3.69	3.29
244216CB	✦	LT1585ACT-3.3	TO-220/3	5A, 3.3V, LDO voltage reg.	2.29	1.95	1.46
244224CB	✦	LT1585ACT-ADJ	TO-220/3	5A, adjustable, LDO volt. reg.	2.29	1.95	1.46
244144CB	✦	LT1587CM	DD/3	3A LDO voltage regulator	~~$5.85~~ 4.25	4.00	3.80
244152CB	✦	LT1587CT-3.3	TO-220/3	3A, 3.3V, LDO voltage reg.	1.39	1.03	.76
244161CB	✦	LM1587CT-ADJ	TO-220/3	3A LDO fast response reg.	1.65	1.25	.95
310244CB	TI	TLV2217-33KC	TO-220/3	LDO 3.3V volt reg. PNP	~~$0.76~~ .69	.59	.47
310121CB	✦	LM2930T-5.0	TO-220/3	3-terminal positive voltage regulator	.71	.69	.65

✦ Jameco Value Offering ✪ Blue Part No. = Limited Quantity Available

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.



Manufacturer Cross Reference Table

Jameco Value Offering ✦

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Low Drop-Out Voltage Regulators (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
121030CB	✦	LM2931AZ-5.0⊕	TO-92	5V LDO regulator	~~$.49~~ $.30	$.28	$.25
23368CB	✦	LM2931CT⊕	TO-220/5	3V-24V LDO regulator	.56	.53	.39
256612CB	✦	LM2931D-5.0⊕	SOIC-8	5V LDO regulator	.46	.39	.29
121048CB	✦	LM2931Z-5.0⊕	TO-92	5V LDO regulator	~~$.39~~ .32	.30	.22
291098CB	NSC	LM2937ES-2.5⊕	TO-263	2.5V 500mA LDO regulator	1.79	1.36	1.02
297810CB	NSC	LM2937ET-5.0⊕	TO-220	5V 500mA LDO regulator	1.35	1.00	.88
291101CB	NSC	LM2937ET-10⊕	TO-220	10V 500mA LDO regulator	1.69	1.28	.96
192495CB	✦	LM2940CT-12⊕	TO-220/3	12V LDO reg. (max. 45Vin)	1.27	1.02	.75
107182CB	✦	LM2940CT-5⊕	TO-220/3	5V LDO reg. (max. 45Vin)	1.39	1.05	.77
245657CB	✦	LM2941CS⊕	TO-263/5	1A LDO adjustable regulator	1.65	1.39	1.05
121064CB	✦	LM2941CT⊕	TO-220/5	1A LDO adjustable reg. (45Vin)	.99	.88	.71
23376CB	✦	LM2941T⊕	TO-220/5	1A LDO adjustable reg. (60Vin)	1.49	1.13	.84
121101CB	✦	LP2950ACZ-5.0⊕	TO-92	Low power LDO 3V low % reg.	.69	.59	.44
266781CB	✦	LP2950CDT-5.0⊕	TO-252/3	100mA low pwr. LDO volt. reg.	1.06	.79	.59
266845CB	✦	LP2950CZ-3.0⊕	TO-92	100mA low pwr. LDO volt. reg.	.86	.62	.47
266757CB	✦	LP2950CZ-5.0⊕	TO-92	100mA low pwr. LDO volt. reg.	.80	.59	.29
266669CB	NSC	LP2967IBP-2533⊕	BPA-8	Dual µPwr 150ma LDO reg. (2.5/3.3V)	~~$3.05~~ 2.85	2.70	2.48
266589CB	NSC	LP2967IBP-2828⊕	BPA-8	Dual µPwr 150ma LDO reg. (2.8/2.8V)	~~$3.05~~ 2.59	2.54	2.49
266626CB	NSC	LP2967IMM-2528⊕	MSOP-8	Dual µPwr 150ma LDO reg. (2.5/2.8V)	~~$2.79~~ 2.49	2.40	2.25
266407CB	NSC	LP2967IMM-2533⊕	MSOP-8	Dual µPwr 150ma LDO reg. (2.5/3.3V)	~~$2.79~~ 2.49	2.40	2.25
266597CB	NSC	LP2967IMM-2626⊕	MSOP-8	Dual µPwr 150ma LDO reg. (2.6/2.6V)	~~$2.79~~ 2.49	2.39	2.27
266642CB	NSC	LP2967IMM-2828⊕	MSOP-8	Dual µPwr 150ma LDO reg. (2.8/2.8V)	~~$2.79~~ 2.49	2.40	2.25
266706CB	NSC	LP2986ILD-3.0⊕	LLP-8	uPwr, 200mA ultra LDO fixed volt reg.	~~$1.99~~ 1.85	1.75	1.62
266722CB	NSC	LP2987ILD-5.0⊕	LLP-8	Same as above w/ prog. pwr-on reset delay	~~$1.99~~ 1.85	1.75	1.62
246545CB	NSC	LM3480IM3-3.3⊕	SOT-23/3	100mA quasi LDO linear volt. reg.	.99	.90	.81
246553CB	NSC	LM3480IM3-5.0⊕	SOT-23/3	100mA quasi LDO linear volt. reg.	.99	.74	.55
192524CB	✦	LM3940IT-3.3⊕	TO-220/3	1A LDO for 5V to 3.3V	1.69	1.28	.95
252241CB	✦	MC29152BU⊕	TO-263/5	1.5A high current LDO reg.	2.79	2.60	2.27
251344CB	TI	TP76201DBVR⊕	SOT-23/5	100mA LP low output adj. LDO linear reg	1.29	1.16	1.04

Voltage Regulators

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
282618CB	✦	LM117H⊕	TO-39	3-terminal adjustable regulator	~~$6.45~~ $5.15	$4.65	$4.20
282036CB	✦	LM140LAH-5.0⊕	TO-39	3-terminal positive regulator	~~$5.55~~ 4.59	3.68	2.76
302375CB	✦	LM217T⊕	TO-220	1.2 - 37V adj. positive voltage reg.	.65	.62	.59
23499CB	✦	LM309K⊕	TO-3/2	5V 1A regulator (0˚C to +125˚C)	~~$4.99~~ 4.55	3.25	2.95
192268CB	✦	LM317AT⊕	TO-220/3	3-terminal adjustable reg. (1.2V-37V)	1.75	1.25	.95
192276CB	✦	LM317HVT⊕	TO-220/3	3-terminal adjustable reg. (1.2V-57V)	1.99	1.77	1.31
23544CB	✦	LM317K⊕	TO-3/2	1.5A adj. pos. reg. (1.2V-37V)	1.75	1.59	1.47
193551CB	✦	LM317LM⊕	SOIC-8	100mA adj. pos. regulator (1.2V to 37V)	.39	.35	.26
23552CB	✦	LM317LZ⊕	TO-92	100mA adj. pos. reg. (1.2V-37V)	.23	.22	.20
23579CB	✦	LM317T** ⊕	TO-220/3	1.5A adj. pos. reg. (1.2V-37V)	.45	.39	.34
23667CB	✦	LM323K⊕	TO-3/2	5V 3A positive regulator	2.89	2.75	2.29
23798CB	✦	LM337K⊕	TO-3/2	1.5A/3 term. adj. neg. reg.	~~$5.15~~ 4.69	3.62	2.71
193586CB	✦	LM337LM	SOIC-8	1.5A adj. neg. regulator (-1.2V to -37V)	.51	.44	.42
296841CB	✦	LM337LZ⊕	TO-92	3-terminal adj. neg. voltage reg.	.67	.57	.43
23819CB	✦	LM337T* ⊕	TO-220/3	1.5A/adj. neg. reg. (-1.2V-37V)	.59	.55	.44
23835CB	✦	LM338K⊕	TO-3/2	5A adj. pos. reg. (1.2V-32V)	5.69	4.47	3.74
192284CB	✦	LM338T⊕	TO-220/3	5A adjustable regulator	1.99	1.49	.99
23931CB	✦	LM350K⊕	TO-3/2	3A/3 term. adj. pos. reg. (1.2V-33V)	4.75	4.25	3.19
23940CB	✦	LM350T⊕	TO-220/3	3 amp. adj. power regulator	1.09	.89	.69
239134CB	✦	LM431ACM⊕	SOIC-8	Programmable shunt regulator	~~$.46~~ .23	.22	.21
278248CB	✦	TL431AILP⊕	TO-92	Adjustable precision shunt regulator	.41	.34	.23
314069CB	ANA	AP431AR⊕	SOT-23	Prog. shunt regulator (5%, 2.5 - 36V)	.62	.536	.455

*10 pieces included in Linear kit, pg 38 **20 pieces included in Linear kit, pg 38

Voltage Regulators (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
314051CB	ANA	AP431AVL	TO-92	Prog. shunt regulator (5%, 2.5 - 36V)	$.65	$.565	$.475
314018CB	ANA	AP431V⊕	TO-92	Prog. shunt regulator (1%, 2.5 - 36V)	.36	.31	.265
239142CB	✦	LM431BCM⊕	SOIC-8	Programmable shunt regulator	.42	.36	.27
251862CB	✦	LM431CIM⊕	SOIC-8	Adj. precision zener shunt regulator	.37	.32	.28
276525CB	MAX	MAX637ACPA⊕	DIP-8	Preset/Adj. output CMOS invert switching reg.	5.49	4.98	4.47
276517CB	MAX	MAX637ACSA⊕	SOIC-8	Preset/Adj. output CMOS invert switching reg.	~~$6.45~~ 5.65	4.50	3.60
214050CB	✦	LM723CD⊕	SOIC-14	High precision voltage regulator	.32	.27	.20
24467CB	✦	LM723CN* ⊕	DIP-14	Voltage regulator (2V-37V)	.26	.24	.23
301719CB	✦	LM723H⊕	TO-5	2V - 37V, 150mA adj. voltage reg.	3.35	2.57	1.92
298071CB	✦	MAX755CSA⊕	SOIC-8	-5V/adj., neg. output, invert, curr. mode PWM reg.	~~$3.85~~ 3.55	3.35	3.20
302279CB	✦	LM2524DN⊕	DIP-16	200mA regulating PWM	1.14	1.04	.77
192330CB	✦	LM2574HVN-5.0⊕	DIP-8	Simple switcher 0.5A step down volt. reg.	3.99	2.91	2.77
192348CB	✦	LM2574HVN-12⊕	DIP-8	Simple switcher 0.5A step down volt. reg.	~~$3.95~~ 3.49	2.70	2.08
245551CB	✦	LM2574N-ADJ⊕	DIP-8	Simple switcher 0.5A step down volt. reg.	.93	.83	.69
156566CB	✦	LM2574N-5⊕	DIP-8	Step-down 5-voltage regulator	1.49	1.15	.86
279638CB	NSC	LM2575HVT-5.0⊕	TO-220	Switcher 1A step down V-reg , high Vin range	~~$4.35~~ 3.95	3.35	3.15
279603CB	NSC	LM2575HVT-12⊕	TO-220	Switcher 1A step down V-reg , high Vin range	~~$4.35~~ 3.95	3.55	3.28
192399CB	✦	LM2576HVT-12⊕	TO-220/5	Switcher 3A step down V-reg , high Vin range	5.89	4.38	3.65
192381CB	✦	LM2576HVT-5.0⊕	TO-220/5	Switcher 3A step down V-reg , high Vin range	5.09	3.92	3.60
192372CB	✦	LM2576HVT-ADJ⊕	TO-220/5	Switcher 3A step down V-reg , high Vin range	5.09	3.93	3.04
245569CB	✦	LM2576T-5.0⊕	TO-220/5	Simple switcher 3A step down volt. reg.	2.35	1.76	1.36
120977CB	✦	LM2576T-ADJ⊕	TO-220/5	Simple switcher 3A step down volt. reg.	1.69	1.37	1.05
300821CB	NSC	LM2586S-ADJ⊕	TO-263	Simple switcher 3A flyback reg. w/ shutdown	~~$5.95~~ 5.45	5.15	5.06
300871CB	NSC	LM2586S-5.0⊕	TO-263	Simple switcher 3A flyback reg. w/ shutdown	~~$5.95~~ 5.45	5.15	5.06
300898CB	NSC	LM2586S-12⊕	TO-263	Simple switcher 3A flyback reg. w/ shutdown	~~$5.95~~ 5.45	5.15	5.06
300919CB	NSC	LM2586T-ADJ⊕	TO-220	Simple switcher 3A flyback reg. w/ shutdown	~~$5.95~~ 5.45	5.15	5.06
300804CB	NSC	LM2588S-ADJ⊕	TO-263	Simple switcher 5A flyback reg. w/ shutdown	7.45	6.20	5.55
300847CB	NSC	LM2588T-ADJ⊕	TO-220	Simple switcher 5A flyback reg. w/ shutdown	7.45	7.25	7.05
300759CB	NSC	LM2592HVS-ADJ⊕	TO-263	Simple switcher 2A step down voltage reg.	~~$5.55~~ 5.05	4.59	4.33
300783CB	NSC	LM2592HVS-5.0⊕	TO-263	Simple switcher 2A step down voltage reg.	~~$5.55~~ 5.05	4.59	4.33
300724CB	NSC	LM2592HVT-ADJ⊕	TO-220	Simple switcher 2A step down voltage reg.	5.05	4.25	3.58
300732CB	NSC	LM2592HVT-3.3⊕	TO-220	Simple switcher 2A step down voltage reg.	~~$5.55~~ 5.05	4.60	4.33
300716CB	NSC	LM2594M-3.3⊕	SOIC-8	Simple switcher 0.5A step down voltage reg.	~~$2.79~~ 2.55	2.25	2.17
192428CB	NSC	LM2594N-ADJ⊕	DIP-8	Simple switcher pwr. conv. 150kHz 0.5A	~~$2.79~~ 2.55	2.40	2.25
300695CB	NSC	LM2594N-3.3⊕	DIP-8	Simple switcher 0.5A step down voltage reg.	~~$2.79~~ 2.55	2.29	2.17
300265CB	NSC	LM2595S-ADJ	TO-263	Simple switcher 1A step down volt. reg.	~~$3.65~~ 3.19	2.45	2.39
300273CB	NSC	LM2595S-12⊕	TO-263	Simple switcher 1A step down voltage reg.	~~$3.49~~ 3.19	2.89	2.74
300775CB	NSC	LM2595T-ADJ⊕	TO-220	Simple switcher 1A step down voltage reg.	~~$3.49~~ 3.19	2.46	1.84
192452CB	NSC	LM2595T-5.0	TO-220/5	Simple switcher pwr. conv. 150kHz 1A	1.95	1.74	1.59
310391CB	NSC	LM2596S-5.0⊕	TO-263/5	Simple switcher 3A step-down voltage reg.	3.89	2.99	2.89
290626CB	NSC	LM2596T-ADJ⊕	TO-220/7	Simple switcher 3A step-down voltage reg.	~~$3.89~~ 3.55	2.75	2.12
290642CB	NSC	LM2596T-5.0⊕	TO-220/7	Simple switcher 3A step-down voltage reg.	~~$3.95~~ 3.55	3.25	3.09
290597CB	NSC	LM2599T-ADJ⊕	TO-220/7	Simple switcher 3A st-dn volt. reg. w/ flags	4.69	3.58	3.22
290749CB	NSC	LM2651MTC-3.3⊕	TSSOP-16	1.5A high eff. synch. switching reg.	3.15	2.99	2.85
290757CB	NSC	LM2670S-5.0⊕	TO-263/7	5V high eff. simple switcher	4.29	3.55	3.35
312397CB	NSC	LM2636MTC⊕	TSSOP-20	5-bit prog. synchronous buck reg.	3.45	2.65	2.56
312389CB	NSC	LM2653MTC-ADJ⊕	TSSOP-16	1.5A high eff. synch. switching reg.	4.19	3.25	3.12
290765CB	NSC	LM2672N-5.0⊕	DIP-8	5V high eff. simple switcher, 1A load	~~$3.79~~ 3.45	3.15	2.96
290888CB	NSC	LM2674M-ADJ⊕	SOIC-8	Adjustable voltage hi efficiency switcher	2.85	2.35	2.20
290861CB	NSC	LM2674N-5.0⊕	DIP-8	5V high eff. simple switcher, 500mA load	2.85	2.35	2.20
291012CB	NSC	LM2675N-ADJ⊕	DIP-8	Simple switcher 1A step down volt. reg. pwr cvrtr	~~$3.65~~ 3.35	2.99	2.85
291039CB	NSC	LM2678S-ADJ⊕	TO-263/7	Simple switcher 5A step down volt. reg., hi-eff	5.45	5.29	5.05
291047CB	NSC	LM2678T-5.0⊕	TO-220/7	Simple switcher 5A step down volt. reg., hi-eff	5.45	5.29	5.05
290651CB	NSC	LM2596S-ADJ⊕	TO-263	Simple switcher 3A step down volt. reg.	~~$3.89~~ 3.55	2.74	2.12
290394CB	NSC	LM2599S-ADJ⊕	TO-263/7	Simple switcher 3A step down volt. reg.	4.75	3.85	3.64

*10 pieces included in Linear kit, pg 38 ✦ Jameco Value Offering

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Voltage Regulators, Audio & Comparators

RoHS Compliant Product
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Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Voltage Regulators (Continued)

Package (see pg 39)

✳ Minimum order 10 pieces

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
245649CB	✦	LM2936MP-3.3⊕	SOT-223	Ultra-low quiescent current 3.3V reg.	$3.25	$2.93	$1.93
107166CB	✦	LM2936Z-5⊕	TO-92	Ultra-low quiescent current 5V reg.	1.85	1.68	1.18
239151CB	✦	LP2951CM⊕	SOIC-8	Adj. micropower volt. reg.	.75	.63	.473
277077CB	✦	LP2952IM⊕	SOIC-16	Adj. micropower low pwr volt reg.	2.35	1.75	1.44
51246CB	✦	7805K⊕	TO-3/2	5V 1A pos. voltage reg. (LM340K-5)	5.15	3.95	3.06
51262CB	✦	7805T**⊕	TO-220/3	5V 1A pos. voltage reg. (LM340T-5)	.35	.32	.28
51182CB	✦	78L5CZ**⊕	TO-92	5V 100mA pos. voltage regulator	.27	.24	.22
193754CB	✦	78L05ACM⊕	SOIC-8	5V 100mA pos. voltage regulator ~~$.28~~	.22	.21	.19
192233CB	✦	78M05⊕	TO-220/3	5V 500mA pos. voltage regulator ~~$.35~~	.22	.19	.17
51297CB	✦	7806T⊕	TO-220/3	6V 1A pos. voltage reg. (LM340T-6)	.30	.25	.21
193762CB	✦	78L06ACM	SOIC-8	6.2V 100mA pos. volt. reg.	.22	.15	.13
51300CB	✦	7808CT*⊕	TO-220/3	8V 1A pos. voltage reg. (LM340T-8)	.46	.35	.27
192225CB	✦	78L09ACZ⊕	TO-92	9V 100mA pos. voltage regulator	.24	.23	.17
51318CB	✦	7812K⊕	TO-3/2	12V 1A pos. voltage reg. (LM340K-12)	2.19	1.79	1.59
51334CB	✦	7812T**⊕	TO-220/3	12V 1A pos. voltage reg. (LM340T-12)	.35	.32	.28
51203CB	✦	78L12CZ*⊕	TO-92	12V 100mA pos. voltage regulator	✳	.17	.14
193771CB	✦	78L12ACM⊕	SOIC-8	12V 100mA pos. voltage regulator	.44	.32	.24
192241CB	✦	78M12CT⊕	TO-220/3	12V 500mA pos. voltage regulator ~~$.31~~	.22	.20	.18
51369CB	✦	7815K⊕	TO-3/2	15V 1A pos. voltage reg. (LM340K-15)..	1.19	1.12	1.03
51377CB	✦	7815T*⊕	TO-220/3	15V 1A pos. voltage reg. (LM340T-15)	.28	.25	.22
193789CB	✦	78L15ACM⊕	SOIC-8	15V 100mA pos. voltage regulator	✳	.19	.14
192250CB	✦	78M15CT⊕	TO-220/3	15V 500mA pos. voltage regulator	.35	.28	.20
194634CB	✦	7818T⊕	TO-220/3	18V 1A pos. voltage reg. (LM340T-18) ~~$.56~~	.45	.35	.26
51414CB	✦	7824T⊕	TO-220/3	24V 1A pos. voltage reg. (LM340T-24)	.36	.34	.31
51238CB	✦	78S40CN⊕	DIP-16	1.25V-40V 1.5A switching regulator ..	1.35	1.08	.87
51457CB	✦	7905T*⊕	TO-220/3	5V 1A neg. voltage reg. (LM320T-5)	.42	.38	.36
51422CB	✦	79L05ACP⊕	TO-92	5V 100mA neg. voltage regulator	.25	.22	.20
193797CB	✦	79L05ACM	SOIC-8	-5V 100mA neg. voltage regulator ~~$.60~~	.41	.14	.12
51449CB	✦	79M05CT⊕	TO-220/3	3-terminal negative regulator ~~$.43~~	.38	.33	.30
51481CB	✦	7912CT*⊕	TO-220/3	12V 1A neg. voltage reg. (LM320T-12)	.31	.27	.21
51431CB	✦	79L12CZ⊕	TO-92	12V 100mA neg. voltage regulator	.23	.21	.16
193800CB	✦	79L12ACM	SOIC-8	-12V 100mA neg. voltage regulator	.58	.20	.18
51502CB	✦	7915CT*⊕	TO-220/3	15V 1A neg. voltage reg. (LM320T-15)	.32	.27	.22
194749CB	✦	79L15ACZ⊕	TO-92	15V 100mA neg. voltage regulator	.41	.33	.28
193818CB	✦	79L15ACM⊕	SOIC-8	-15V 100mA neg. voltage regulator ~~$.38~~	.22	.21	.16
316881CB	✦	MC34063AD⊕	SOIC-8	1.5A Step-up/down inverting switch reg.	.52	.432	.353
316945CB	✦	MC34063AP1⊕	DIP-8	1.5A Step-up/down inverting switch reg.	.66	.473	.437
314317CB	ANA	AP34063N⊕	DIP-8	1.6A adjustable voltage regulator	.75	.66	.499

*10 pcs. included in Linear kit, right **20 pcs. in Linear kit, right ✦ Jameco Value Offering

Audio

Package (see pg 39)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
277624CB	✦	INA103KP⊕	DIP-16	Low noise/distortion instr. amp.	$8.55	$7.67	$6.91
277632CB	✦	INA103KU⊕	SOIC-16	Low noise/distortion instr. amp. ~~$8.55~~	7.95	7.45	6.91
278408CB	✦	TPA112D⊕	SOIC-8	150mW stereo aud. pwr amp, diff in. ~~$.89~~	.81	.69	.52
310560CB	✦	TPA122D⊕	SOIC-8	150mW stereo aud. pwr amp, sgl in./ch.	.98	.83	.75
243678CB	ADI	OP275GP⊕	DIP-8	Dual JFET audio op amp.	1.95	1.62	1.52
243660CB	ADI	OP275GS⊕	SOIC-8	Dual JFET audio op amp	1.85	1.57	1.18
24037CB	NSC	LM380N⊕	DIP-14	2-watt audio power amp.	.94	.87	.63
24088CB	NSC	LM383T	TO-220/5	7-watt audio high power amp.	5.95	5.39	4.95
24096CB	✦	LM384N⊕	DIP-14	5-watt audio amp. ~~$1.45~~	1.22	.91	.69
193623CB	✦	LM386M-1⊕	SOIC-8	Low volt. audio power amp. 250mW/12V ~~$.31~~	.26	.24	.22
24125CB	✦	LM386N-1*⊕	DIP-8	Low voltage audio amp. 250mW/6V	.48	.35	.29
24133CB	✦	LM386N-3*⊕	DIP-8	Low voltage audio amp. 500mW/9V	.69	.59	.49
24483CB	✦	LM725CN⊕	DIP-8	Instrumentation op amplifier ~~$2.39~~	2.19	1.68	1.29
279697CB	✦	LM833D⊕	SOIC-8	Dual audio op amp. ~~$.41~~	.28	.26	.23
120942CB	✦	LM833N⊕	DIP-8	Dual audio op amp.	.71	.60	.45
295718CB	NSC	LM1203N⊕	DIP-28	RGB video amp	4.55	4.09	3.69
24942CB	ON	MC1350P	DIP-8	Video IF amp (12V operation)	1.95	1.85	1.75
23270CB	NSC	LM1875T⊕	TO-220/5	20-watt power audio amplifier	1.45	1.39	1.19
355477CB	NSC	LM1875TSL⊕	TO-220/5	20-watt audio power amplifier	1.12	1.03	1.02
245534CB	NSC	LM1877M-9⊕	SOIC-14	Dual audio power amplifier	1.25	.92	.68
23288CB	NSC	LM1877N-9⊕	DIP-14	Dual power audio amplifier	.95	.84	.61
245542CB	NSC	LM1881M⊕	SOIC-8	Video synchronous separator ~~$2.45~~	1.95	1.75	1.55

*10 pcs. included in Linear kit, right ✦ Jameco Value Offering

Audio (Continued)

Package (see pg 39)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
107140CB	NSC	LM1881N⊕	DIP-8	Video synchronous separator	$2.69	$2.05	$1.55
243547CB	NSC	LM1894N⊕	DIP-14	DNR noise reduction ~~$3.15~~	2.69	2.48	2.24
302519CB	NSC	LM1971M⊕	SOIC-8	Audio attenuator with mute	2.49	1.89	1.65
302447CB	NSC	LM1972M⊕	SOIC-20	2-channel audio attenuator ~~$4.15~~	3.45	3.05	2.89
302421CB	NSC	LM1972N⊕	DIP-20	2-channel audio attenuator ~~$4.55~~	4.19	3.65	3.50
32897CB	ST	TDA2002V	TO-220/5	8-watt audio high power amp.	3.75	3.35	3.00
315344CB	✦	TDA2040V⊕	PWAT-5	20W hi-fi audio power amp	2.45	2.25	2.14
275830CB	ADI	OPA2134PA⊕	DIP-8	High-performance audio op amp.	2.39	1.93	1.67
275821CB	ADI	OPA2134UA⊕	SOIC-8	High-performance audio op amp.	2.25	2.02	1.82
312063CB	✦	SSM2141P⊕	DIP-8	High common-mode rejection diff. line rec	3.19	2.79	2.69
252013CB	NSC	LM3875T⊕	TO-220/11	56W high perf. audio power amp.	5.19	4.11	3.70
126834CB	NSC	LM3876T⊕	TO-220/11	40W high perf. audio amp w/ mute	4.09	3.49	3.43
320670CB	NSC	LM3886TF⊕	TO-220/11	68W high perf. audio amp, isol. pkg.	4.55	3.49	2.70
192516CB	NSC	LM3886T⊕	TO-220/11	68W high perf. audio amp	4.35	3.32	2.57
302201CB	NSC	LM4752T⊕	TO-220	Stereo 11W audio power amp ~~$2.45~~	2.15	1.60	1.20
302199CB	NSC	LM4860M⊕	SOIC-16	1W audio power amp w/ shutdown mode ~~$1.59~~	1.29	.97	.72
267047CB	NSC	LM4864M⊕	SOIC-8	725mW audio pwr amp w/ shutdown mode ~~$1.45~~	1.31	.97	.71
302181CB	NSC	LM4871M⊕	SOIC-8	3W audio power amp w/ shutdown mode ~~$1.45~~	1.05	.78	.57
316873CB	✦	MC34119D⊕	SOIC-8	LP audio amp (500mW, 16VDC)	.93	.71	.54
316865CB	✦	MC34119P⊕	DIP-8	LP audio amp (500mW, 16VDC)	1.02	.66	.61

✦ Jameco Value Offering

Comparators

Package (see pg 39)

✳ Minimum order 10 pieces

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
311052CB	NSC	LM111H⊕	TO-5/8	Voltage comparator	$3.39	$2.60	$2.01
311044CB	NSC	LM111J-8⊕	DIP-8	Voltage comparator	4.35	3.32	3.20
282061CB	✦	LM139D⊕	SOP-14	Low pwr, low offset volt quad comp.	.95	.80	.60
282087CB	✦	LM139J⊕	CDIP-14	Low pwr, low offset volt quad comp.	2.29	1.74	1.30
302501CB	NSC	LM193H⊕	TO-5	Dual low-power comparator	4.45	3.43	2.65
302391CB	✦	LM211D⊕	SOIC-8	Hi-speed, strobed diff. comparator ~~$.39~~	.35	.29	.25
302383CB	✦	LM211P⊕	DIP-8	Hi-speed, strobed diff. comparator ~~$.26~~	.21	.18	.15
302367CB	✦	LM219D⊕	SOIC-14	Dual high speed voltage comparator ~~$.85~~	.80	.75	.70
302287CB	✦	LM239D⊕	SOIC-14	Low power low offset volt quad comp ~~$.28~~	.25	.23	.20
212126CB	✦	LM239N⊕	DIP-14	Low power low offset volt quad comp ~~$.30~~	.20	.17	.127
213188CB	✦	LM306N⊕	DIP-8	Differential comparator w/ strobes	.69	.56	.43
193543CB	✦	LM311D⊕	SOIC-8	Voltage comparator	.37	.30	.22
23528CB	✦	LM311N*⊕	DIP-8	Voltage comparator	.35	.25	.19
251918CB	✦	LP311D⊕	SOIC-8	Voltage comparator	.76	.65	.48
239193CB	✦	LP311P⊕	DIP-8	Differential comparator	.76	.65	.48
245690CB	✦	LM319M⊕	SOIC-14	High speed dual comparator	.37	.32	.24
23632CB	✦	LM319N⊕	DIP-14	High speed dual comparator ~~$.41~~	.31	.27	.24
246537CB	✦	LM339AM⊕	SOIC-14	Low power low offset volt quad comp	.65	.39	.293
143888CB	✦	LM339AN⊕	DIP-14	Low power quad comparator	.29	.23	.193
193594CB	✦	LM339M⊕	SOIC-14	Low power low offset volt quad comp	.27	.23	.20
23851CB	✦	LM339N**⊕	DIP-14	Quad comparator	✳	.19	.165
251977CB	✦	LP339M⊕	SOIC-14	Ultra-low power quad comparator	.81	.68	.50
121099CB	✦	LP339N⊕	DIP-14	Quad low power comparator ~~$.38~~	.30	.28	.21
312047CB	TI	TLC372CD⊕	SOIC-8	LinCMOS dual differential comp	.76	.64	.515
312055CB	TI	TLC372CP⊕	DIP-8	LinCMOS dual differential comp	.76	.61	.515
314712CB	✦	TLC374CD	SOP-14	LinCMOS quad differential comp	.85	.71	.62
314704CB	✦	TLC374CN⊕	DIP-14	LinCMOS quad differential comp	.76	.64	.51
310404CB	✦	TS374IN⊕	DIP-14	Quad low power CMOS volt comp	.93	.80	.72

*10 pcs. included in Linear kit, below **20 pcs. in Linear kit, below ✦ Jameco Value Offering

Linear and Interface IC Kit SAVE $70



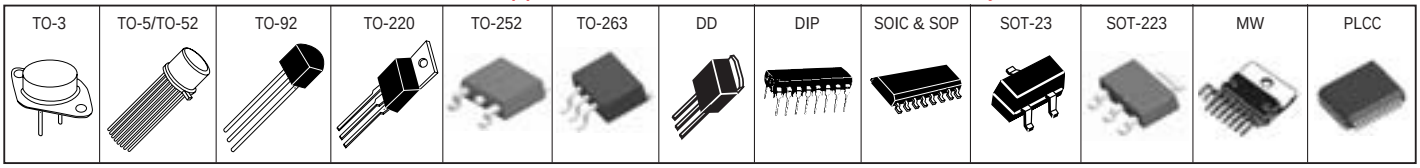
84988CB

10 each: TL072CP, TL074CN, TL082CP, TL084CN, MAX232CPE, LM301N, LM308N, LM311N, LM337T, LF353N, LF356N, LM358N, LM386N-1, LM386N-3, LM393N, LF411CN, LF412CN, LMC555CN, LM556N, LM723CN, LM1458N, DS1488N, DS1489N, ULN2003AN, ULN2803A, NE5532N, 7808T, 78L12CZ, 7815T, 7905T, 7912CT, 7915CT

20 each: LM317T, LM324N, LM339N, LM741CN, LM555CN, 7805T, 78L05CZ, 7812T

Part No.	Description	Wt. (lbs.)	1	10
84988CB	480 pcs. (40 types) analog IC kit⊕	6.0	$182.95	$164.65
130411CB	Refill for 84988CB (480 pcs.)⊕	1.3	169.95	145.95

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



Manufacturer Cross Reference Table

Jameco Value Offering ✦

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Comparators (Continued)

Package (see above)

✳ Minimum order 10 pieces

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
246633CB	✦	LM392M⊕	SOIC-8	Low power op amp/volt comp	$1.09	$.93	$.69
120900CB	✦	LM392N⊕	DIP-8	Low power op amp/volt comp	1.18	1.06	.79
246641CB	✦	LM393AM⊕	SOIC-8	Low pwr low offset volt dual comp	.41	.33	.245
212177CB	✦	LM393AN⊕	DIP-8	Low pwr low offset volt dual comp	✳	.175	.135
193631CB	✦	LM393D⊕	SOIC-8	Low pwr offset voltage dual comp	.33	.19	.14
24281CB	✦	LM393N*⊕	DIP-8	Dual comparator	.20	.18	.17
277093CB	✦	LMV393M⊕	SOIC-8	Low volt general purpose dual comp	.85	.62	.46
315328CB	✦	TL712CD⊕	SOIC-8	Differential comparator	1.25	1.06	.86
214041CB	TI	TL712CP	DIP-8	Differential comparator ~~$1.15~~	1.00	.54	.49
278256CB	TI	TL714CP⊕	DIP-8	High speed differential comparator	2.55	2.49	2.15
277173CB	NSC	LMC7211AIM⊕	SOIC-8	Comp w/ rail-to-rail input, push pull output ~~$1.65~~	1.35	1.20	.89
277190CB	NSC	LMC7211BIM⊕	SOIC-8	Comp w/ rail-to-rail input, push pull output ~~$1.65~~	1.25	1.05	.85
277114CB	NSC	LMC7221AIM⊕	SOIC-8	Comp w/ rail-to-rail input, open drain output ~~$1.89~~	1.55	1.31	1.08
297844CB	✦	MAX902CSD⊕	SOIC-14	Hi-speed low pwr precision volt comp ~~$9.45~~	8.49	7.63	6.87
291143CB	LTC	LT1016CN-8⊕	DIP-8	Fast precision comparator 10ns ~~$4.99~~	4.55	3.55	3.45
312266CB	LTC	LT1016CS8⊕	SOIC-8	Ultra-fast precision 10ns comparator	4.89	3.55	2.76
310279CB	TI	TLV2352ID⊕	SOIC-8	LinCMOS dual low volt diff comp	1.69	1.55	1.49
280006CB	TI	TLV2354IN⊕	DIP-14	LinCMOS quad low volt diff comp ~~$2.85~~	2.55	2.45	2.31
245577CB	✦	LM2901M⊕	SOIC-14	Low pwr low offset volt quad comp ~~$.30~~	.25	.22	.18
23296CB	✦	LM2901N⊕	DIP-14	Quad comparator	.25	.21	.156
245614CB	✦	LM2903M⊕	SOIC-14	Low power low offset volt dual comp	.25	.21	.16
23309CB	✦	LM2903N⊕	DIP-8	Low power low offset volt dual comp	.31	.27	.21
311036CB	TI	TL3016CD⊕	SOIC-8	Ultra-fast low pwr precision comp	1.85	1.47	1.12
278213CB	TI	TL3016ID⊕	SOIC-8	Ultra-fast low pwr precision comp ~~$2.25~~	2.09	1.95	1.83
278230CB	TI	TL3116CD⊕	SOP-8	Ultra-fast low pwr precision comp	1.85	1.60	1.50
278221CB	TI	TL3116ID⊕	SOP-8	Ultra-fast low pwr precision comp ~~$1.99~~	1.85	1.75	1.62
245711CB	✦	LM3302D⊕	SOIC-14	Low pwr low offset volt quad comp	.54	.46	.34
107238CB	✦	LM3302N⊕	DIP-14	Low pwr low offset volt quad comp ~~$.48~~	.33	.28	.21
309964CB	✦	TLC3704CD⊕	SOIC-14	LinCMOS Quad micro volt comp	.99	.82	.68
280137CB	✦	TLC3704CN⊕	DIP-14	Quad uPwr LinCMOS volt comp ~~$1.09~~	1.00	.90	.84
277202CB	NSC	LMC6772AIM⊕	SOIC-8	Dual uPwr rail-to-rail input w/ open drain output ~~$2.75~~	2.35	1.81	1.35

*10 pcs. in Linear kit, pg 38

Buffers

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
23051CB	✦	LH0002CN	DIP-10	General purpose buffer	$12.25	$10.25	$7.95
277552CB	TI	BUF634P⊕	DIP-8	250mA high speed buffer ~~$5.89~~	5.05	5.00	4.78
277544CB	TI	BUF634T⊕	TO-220	250mA high speed buffer	7.85	7.60	6.35
277579CB	TI	BUF634U⊕	SOIC-8	250mA high speed buffer ~~$5.89~~	5.45	5.15	4.79
300249CB	LTC	LT1010CN8⊕	DIP-8	150mA high speed buffer ~~$4.35~~	3.65	2.45	2.13

Op Amps

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
27852CB	✦	OP07CP⊕	DIP-8	Ultra-low offset voltage op amp	$.61	$.59	$.56
252988CB	✦	OP07DP⊕	DIP-8	Very low offset single bipolar op amp ~~$.68~~	.62	.52	.39
23106CB	✦	LM10CLN⊕	DIP-8	Low voltage (1.1 volt) op amp ~~$1.95~~	1.69	1.57	1.42
120715CB	✦	LM10CN⊕	DIP-8	Op amp and voltage reference	2.45	1.90	1.43
120723CB	NSC	LM12CLK⊕	TO-3/4	80W op amp ~~$23.45~~	17.05	16.10	15.30
213090CB	✦	TL022CP⊕	DIP-8	Dual low power op amp	.64	.58	.53
252996CB	✦	OP27EZ⊕	CDIP-8	Low noise hi spd prec op amp	12.25	11.50	11.05
115300CB	✦	OP27EP⊕	DIP-8	Low noise precision op amp	4.39	3.57	3.05
115318CB	✦	OP27GP⊕	DIP-8	Low noise prec op amp (-40˚ to 80˚C) ~~$2.09~~	1.89	1.54	1.15
275805CB	TI	OPA27GP⊕	DIP-8	Ultra-low noise precision op amp ~~$2.19~~	2.05	1.95	1.79
275784CB	TI	OPA27GU⊕	SOIC-8	Ultra-low noise precision op amp ~~$2.35~~	2.05	1.35	1.01

Op Amps (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
253032CB	✦	TL031CD⊕	SOIC-8	Enhanced JFET low pwr/offset op amp ~~$.78~~	$.71	$.60	$.47
213102CB	✦	TL031CP⊕	DIP-8	Enhanced JFET low pwr/offset op amp	.71	.60	.45
279671CB	✦	TL032ACP⊕	DIP-8	Enhanced JFET low pwr/offset op amp	1.85	1.67	1.51
253059CB	✦	TL032CD⊕	SOIC-8	Enhanced JFET low pwr/offset op amp	.99	.89	.67
213111CB	✦	TL032CP⊕	DIP-8	Enhanced JFET low pwr/offset op amp	.71	.66	.64
253235CB	✦	TL034CD⊕	SOIC-14	Enhanced JFET low pwr/offset op amp ~~$1.12~~	1.04	.91	.83
214068CB	✦	TL034CN⊕	DIP-14	Enhanced low pwr/offset op amp	1.05	.89	.82
275768CB	✦	OPA37GP⊕	DIP-8	Ultra-low noise precision op amp	2.45	2.19	1.97
275750CB	✦	OPA37GU⊕	SOIC-8	Ultra-low noise precision op amp ~~$2.45~~	2.15	2.05	1.97
213129CB	✦	TL052ACP⊕	DIP-8	Enh. JFET low offset op amp	3.95	3.56	3.24
309981CB	✦	TL052CD⊕	SOIC-8	Dual Enhanced JFET prec op amp	1.49	1.21	.91
253243CB	✦	TL054ACD⊕	SOIC-14	Enhanced JFET low offset op amp	6.25	5.61	4.35
213153CB	✦	TL054ACN	DIP-14	Enhanced JFET low offset op amp	4.25	3.99	2.79
213145CB	✦	TL054CN	DIP-14	Enh. JFET low offset op amp ~~$.77~~	.69	.63	.57
213137CB	✦	TL061ACP	DIP-8	Low power JFET input op amp	.59	.54	.45
242106CB	✦	TL061IP⊕	DIP-8	Low power JFET op amp	.79	.67	.50
252283CB	✦	TL062ACD⊕	SOIC-8	Low power JFET input op amp	.59	.50	.38
33161CB	✦	TL062CP⊕	DIP-8	Low power JFET op amp (high slew)	.27	.25	.22
253139CB	✦	TL064BCN⊕	DIP-14	Low power JFET input op amp	.69	.59	.44
33179CB	✦	TL064CN⊕	DIP-14	Low power JFET input op amp ~~$.56~~	.53	.42	.32
213081CB	✦	TL071ACP⊕	DIP-8	Low noise JFET input op amp	.59	.44	.32
33187CB	✦	TL071CP⊕	DIP-8	Low noise JFET op amp	.33	.31	.29
278264CB	✦	TLC071CD⊕	SOIC-8	Wide-band, high-output drive op amp	.99	.90	.68
278272CB	✦	TLC071IP⊕	DIP-8	Wide-band, high-output drive op amp	.99	.89	.76
213073CB	✦	TL072ACP⊕	DIP-8	Low noise JFET input op amp	.56	.43	.31
253147CB	✦	TL072BCP⊕	DIP-8	Low noise JFET input op amp	.65	.55	.41
193501CB	✦	TL072CD⊕	SOIC-8	Low noise JFET dual op amp ~~$.35~~	.26	.22	.165
33195CB	✦	TL072CP*⊕	DIP-8	Low noise JFET dual op amp	.26	.25	.24
278299CB	✦	TLC072CD⊕	SOIC-8	Wide-band, high-output drive op amp	1.45	1.12	1.06
278281CB	✦	TLC072CP⊕	DIP-8	Wide-band, high-output drive op amp	1.11	.90	.85
213065CB	✦	TL074BCN⊕	DIP-14	Low noise JFET input op amp	.51	.43	.37
193519CB	✦	TL074CD	SOIC-8	Low noise JFET quad op amp ~~$.50~~	.26	.22	.165
33216CB	✦	TL074CN*⊕	DIP-14	Low noise JFET quad op amp	.48	.43	.345
278336CB	✦	TLC074CD⊕	SOIC-14	Wide-band, high-output drive	1.95	1.64	1.43
278328CB	✦	TLC074CN⊕	DIP-14	Wide-band, high-output drive ~~$1.95~~	1.85	1.51	1.43
278352CB	✦	TLC080AIP⊕	DIP-8	Wide-band, high-out drive, impr. offset ~~$1.19~~	1.08	.90	.82
278344CB	✦	TLC080IP⊕	DIP-8	Wide-band, high-output drive	1.08	.95	.82
213057CB	✦	TL081ACP⊕	DIP-8	JFET input op amp, low offset w/ control ~~$.51~~	.46	.42	.31
253155CB	✦	TL081CD⊕	SOIC-8	JFET input op amp	.39	.33	.25
33232CB	✦	TL081CP⊕	DIP-8	JFET input op amp, offset control	.31	.30	.26
214076CB	✦	TL082ACP⊕	DIP-8	JFET input op amp, low offset	.30	.29	.28
253198CB	✦	TL082BCP⊕	DIP-8	JFET input op amp, lowest offset	.62	.46	.37
193527CB	✦	TL082CD⊕	SOIC-8	JFET input dual op amp	.35	.30	.227
33241CB	✦	TL082CP*⊕	DIP-8	JFET input dual op amp	.53	.40	.30
214084CB	✦	TL084ACN⊕	DIP-14	JFET input op amp ~~$.49~~	.34	.32	.27
253219CB	✦	TL084BCD⊕	SOIC-14	JFET input op amp	.56	.51	.45
193535CB	✦	TL084CD⊕	SOIC-14	JFET input quad op amp ~~$.43~~	.30	.29	.25
33267CB	✦	TL084CN*⊕	DIP-14	JFET input quad op amp	.43	.40	.37
282626CB	✦	LM124D⊕	SOIC-14	Low power quad op amp mil temp ~~$1.19~~	.69	.55	.49
126818CB	✦	LM124J⊕	CDIP-14	Low power quad op amp mil temp	2.59	2.40	1.80
276488CB	TI	OPA124U⊕	SOIC-8	Low noise prec. DiFET op amp ~~$8.45~~	7.49	7.15	6.85
276496CB	TI	OPA124UA⊕	SOIC-8	Low noise prec. DiFET op amp, low offset ~~$9.99~~	8.95	8.55	8.15
275856CB	TI	OPA130UA⊕	SOIC-8	Low power precision FET input ~~$2.99~~	2.65	2.55	2.42
243686CB	✦	OPA137PA⊕	DIP-8	FET op amp	1.39	1.31	1.25
243694CB	✦	OPA137UA⊕	SOIC-8	FET input op amp	1.33	1.30	1.28

*10 pcs. in Linear kit, pg 38

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Op Amps (Continued)

Package (see pg 43)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
302480CB	✦	LM158H⊕	TO-5	Low power dual op amp	$4.19	$3.22	$2.41
302412CB	✦	LM201AD⊕	SOIC-8	Op amp industrial temp	~~$.52~~ .45	.42	.40
302404CB	✦	LM201AN⊕	DIP-8	Op amp industrial temp	~~$.62~~ .58	.55	.50
302341CB	✦	LM224D⊕	SOIC-14	Low power quad industrial temp	~~$.28~~ .25	.23	.20
302359CB	✦	LM224J⊕	CDIP-14	Low power quad industrial temp	~~$1.65~~ 1.55	1.35	1.25
212118CB	✦	LM224N⊕	DIP-14	Low power quad industrial temp	~~$.28~~ .21	.19	.14
275813CB	TI	OPA234UA⊕	SOIC-8	Low pwr precision single supply	2.15	1.92	1.73
315230CB	✦	TLC252BCD⊕	SOIC-8	LinCMOS dual op amp	2.19	1.95	1.48
315221CB	✦	TLC252BCP⊕	DIP-8	LinCMOS dual op amp	2.19	2.16	2.14
302261CB	✦	LM258D⊕	SOIC-8	Low pwr dual op amp industrial temp	.25	.23	.20
212142CB	✦	LM258N⊕	DIP-8	Low pwr dual op amp industrial temp	.35	.32	.29
279742CB	TI	TLC271CD⊕	SOIC-8	LinCMOS prog low pwr op amp	~~$.83~~ .75	.58	.43
279734CB	TI	TLC271CP⊕	DIP-8	LinCMOS prog low pwr op amp	.55	.50	.37
279806CB	✦	TLC272CD⊕	SOIC-8	LinCMOS prec. dual op amp	~~$.79~~ .60	.52	.39
143917CB	✦	TLC272CP⊕	DIP-8	LinCMOS prec. dual op amp	.72	.55	.41
280233CB	TI	TLC27L2CD⊕	SOIC-8	LinCMOS prec. dual op amp, high gain	~~$.68~~ .62	.52	.39
280225CB	TI	TLC27L2CP⊕	DIP-8	LinCMOS prec. dual op amp, high gain	~~$.56~~ .53	.49	.40
280188CB	TI	TLC27M2CD⊕	SOIC-8	LinCMOS prec. dual op amp, med. gain	~~$.68~~ .62	.53	.39
280170CB	TI	TLC27M2CP⊕	DIP-8	LinCMOS prec. dual op amp, med. gain	~~$.68~~ .62	.52	.39
242000CB	✦	TLC274ACN⊕	DIP-14	Quad precision op amp, low offset	~~$.79~~ .71	.66	.60
242018CB	✦	TLC274BCN⊕	DIP-14	Quad prec op amp, lower offset	.88	.82	.78
242026CB	✦	TLC274CN⊕	DIP-14	CMOS precision quad op amp	.57	.48	.36
242034CB	✦	TLC274IN⊕	DIP-14	Quad CMOS op amp	.72	.61	.46
280217CB	TI	TLC27L4CD⊕	SOIC-14	LinCMOS prec. quad op amp, high gain	~~$.81~~ .74	.63	.47
280209CB	TI	TLC27L4CN⊕	DIP-14	LinCMOS prec. quad op amp, high gain	~~$.60~~ .57	.54	.40
280161CB	TI	TLC27M4CD⊕	SOIC-14	LinCMOS prec. quad op amp, med. gain	~~$.81~~ .73	.62	.46
312784CB	✦	TLC277CD⊕	SOIC-8	LinCMOS prec. dual op amp, low offset	1.49	1.37	1.31
280241CB	✦	TLC277CP⊕	DIP-8	Prec. dual op amp, low offset	~~$1.55~~ 1.47	1.18	.88
280196CB	TI	TLC27L7CD⊕	SOIC-8	Prec. dual op amp, high gain, low offset	1.34	1.18	1.12
280145CB	TI	TLC27M7CD⊕	SOIC-8	Prec. dual op amp, med. gain, low offset	1.35	1.23	1.12
280153CB	TI	TLC27M7CP⊕	DIP-8	Prec. dual op amp, med. gain, low offset	1.39	1.24	1.12
245665CB	✦	LM301AH⊕	TO-5/8	Operational amplifier	2.15	1.64	1.27
212151CB	✦	LM301AN⊕	DIP-8	Operational amplifier	~~$.47~~ .34	.32	.28
245673CB	✦	LM308AH⊕	TO-5/8	Precision op amplifier	3.29	2.51	1.95
23464CB	✦	LM308N*	DIP-8	Precision op amplifier	5.49	4.99	4.36
245681CB	✦	LM318M⊕	SOIC-8	Precision high speed op amplifier	1.15	.98	.73
23608CB	✦	LM318N⊕	DIP-8	Precision high speed op amplifier	.59	.54	.48
245702CB	✦	LM324AM⊕	SOIC-14	Low power quad op amp, impr. offset	.29	.25	.18
212169CB	✦	LM324AN⊕	DIP-14	Low power quad op amp, impr. offset	.25	.23	.20
86721CB	✦	LM324D⊕	SOIC-14	Low power quad op amplifier	~~$.23~~ .21	.18	.16
23683CB	✦	LM324N**⊕	DIP-14	Low power quad op amplifier	.28	.24	.21
192559CB	✦	LP324N⊕	DIP-14	Micropower quad op amplifier	.75	.59	.45
241963CB	✦	LMV324M⊕	SOIC-14	Low voltage, general purpose	.72	.55	.42
245438CB	✦	LF347BD⊕	SOIC-14	Quad JFET input (wide B/W, impr. offset)	1.15	1.10	1.07
245420CB	✦	LF347M⊕	SOIC-14	Quad JFET input (wide bandwidth)	~~$.79~~ .75	.65	.50
22904CB	✦	LF347N⊕	DIP-14	Quad JFET input op amp (wide band)	.35	.29	.215
275776CB	✦	OPA347PA⊕	DIP-8	Micropower rail-to-rail op amp	~~$1.25~~ 1.15	.97	.80
246570CB	✦	LM348M⊕	SOIC-14	Quad 741 op amplifier	.89	.71	.52
23915CB	✦	LM348N⊕	DIP-14	Quad 741 op amp (UPC4741C)	~~$.37~~ .24	.18	.14
22912CB	✦	LF351N⊕	DIP-8	BIFET op amplifier	.39	.35	.29
245518CB	✦	LF353D⊕	SOIC-8	Dual JFET input (wide bandwidth)	.37	.30	.23
22939CB	✦	LF353N*⊕	DIP-8	Dual BIFET (comp w/ TL082CP)	.39	.37	.35
193607CB	✦	LF356M⊕	SOIC-8	JFET input op amplifier (wide band)	~~$.77~~ .68	.50	.38
22971CB	✦	LF356N*⊕	DIP-8	JFET input op amplifier (wide band)	.79	.67	.49
22998CB	✦	LF357N	DIP-8	JFET input op amp (wide band decom.)	2.55	2.30	1.72
246588CB	✦	LM358AM⊕	SOIC-8	Low power dual op amp., impr. offset	.23	.22	.165
120862CB	✦	LM358AN⊕	DIP-8	Low power dual (improved 358N)	.29	.25	.23
193615CB	✦	LM358D⊕	SOIC-8	Low power dual op amplifier	.21	.18	.14
23966CB	✦	LM358N*⊕	DIP-8	Low power dual op amplifier	~~$.27~~ .24	.21	.18
277106CB	✦	LMV358M⊕	SOIC-8	Low volt rail-to-rail output dual	.85	.62	.46
276736CB	✦	MAX410CPA⊕	DIP-8	Single 28MHz low noise, low volt prec	4.65	4.25	3.79
119941CB	✦	LF411ACN	DIP-8	Low offset low drift JFET input	2.95	2.62	2.00
23018CB	✦	LF411CN*⊕	DIP-8	Low offset drift JFET input op amp	1.35	1.00	.75
193640CB	✦	LF412CD✪	SOIC-8	Low offset drift JFET input dual	.27	.24	.22
23026CB	✦	LF412CN*⊕	DIP-8	Low offset drift JFET input dual	1.03	.76	.56
106681CB	✦	LF442CN⊕	DIP-8	Dual low power JFET input op amp	1.35	.99	.55

*10 pcs. in Linear kit, pg 38 **20 pcs. in Linear kit, pg 38 ✦ Jameco Value Offering

✪ Blue Part No. = Limited Quantity Available

Op Amps (Continued)

Package (see pg 43)

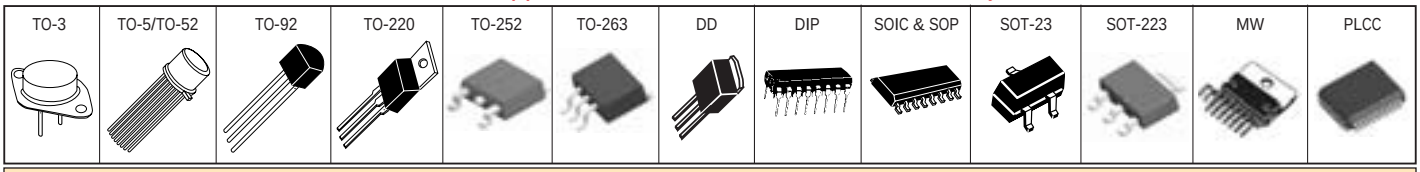
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
119984CB	✦	LF444ACN	DIP-14	Quad low pwr JFET input op amp, low Vos	$1.99	$1.85	$1.78
119992CB	✦	LF444CN⊕	DIP-14	Quad low pwr JFET input op amp	1.38	1.02	.69
312805CB	ADI	OP467GP⊕	DIP-14	Quad precision high speed op amp	12.09	11.48	10.91
312813CB	ADI	OP467GS⊕	SOIC-16	Quad precision high speed op amp	9.89	8.52	7.49
276613CB	MAX	MAX474CSA⊕	SOIC-8	Dual 10MHz single supply op amp	4.45	4.05	3.63
276541CB	MAX	MAX492CPA⊕	DIP-8	Dual upwr, single supply rail-to-rail	5.09	4.05	3.63
276533CB	MAX	MAX492CSA⊕	SOIC-8	Dual upwr, single supply rail-to-rail	~~$5.09~~ 4.45	3.51	2.28
311773CB	MCH	MCP601-I/P⊕	DIP-8	2.8MHz, 2.7V-5.5V single supply CMOS	.60	.55	.525
311749CB	MCH	MCP602-I/P⊕	DIP-8	Dual, 2.8MHz, 2.7V-5.5V single supply CMOS	.72	.71	.68
311765CB	MCH	MCP602-I/SN⊕	SOIC-8	Dual, 2.8MHz, 2.7V-5.5V single supply CMOS	.77	.71	.68
311731CB	MCH	MCP603-I/P⊕	DIP-8	Single w/ CS, 2.8MHz, 2.7V-5.5V single CMOS	.63	.58	.551
311239CB	MCH	MCP6S21-I/P⊕	DIP-8	1-ch PGA low-gain single-ended rail-to-rail I/O	1.69	1.65	1.60
311255CB	MCH	MCP6S22-I/P⊕	DIP-8	2-ch PGA low-gain single-ended rail-to-rail I/O	1.95	1.89	1.82
311247CB	MCH	MCP6S22-I/SN⊕	SOIC-8	2-ch PGA low-gain single-ended rail-to-rail I/O	2.09	1.99	1.89
310367CB	ADI	AD626AN⊕	DIP-8	Low-cost single supply diff amplifier	5.75	5.69	5.35
313314CB	ADI	AD626AR⊕	SOIC-8	Low-cost single supply diff amplifier	5.95	5.62	5.34
311221CB	MCH	MCP6S28-I/P⊕	DIP-8	8-ch prog. low-gain sngl-ended rail-to-rail I/O	3.35	3.18	3.03
267266CB	✦	LMC660CM⊕	SOIC-14	CMOS quad operational amplifier	1.55	1.16	.87
143976CB	✦	LMC660CN⊕	DIP-14	CMOS quad operational amplifier	~~$1.65~~ 1.35	1.20	.90
120926CB	✦	LM675T⊕	TO-220/5	Power op amplifier	4.75	4.02	3.98
24491CB	✦	LM733CN	DIP-14	Differential amplifier	1.15	.99	.89
24521CB	✦	LM741CH⊕	TO-5/8	Op amplifier	2.75	2.10	1.62
24539CB	✦	LM741CN**⊕	DIP-8	Op amplifier	.29	.25	.19
24563CB	✦	LM747CN	DIP-14	Dual 741 op amplifier	4.19	3.85	3.39
299938CB	✦	LM747H⊕	TO-10	Dual op amplifier	~~$3.79~~ 3.59	3.29	3.07
311132CB	ADI	AD811AN⊕	DIP-8	High performance video op amp	5.75	5.24	4.84
311087CB	ADI	AD812AN✪	DIP-8	Dual low power current feedback	5.29	5.19	4.92
277085CB	NSC	LMV824M⊕	SOIC-14	5MHz quad low pwr, low volt, rail-to-rail	1.45	1.05	.92
246668CB	NSC	LM837M⊕	SOIC-14	Low noise quad operational amp	1.29	1.00	.75
143896CB	NSC	LM837N⊕	DIP-14	Low noise quad operational amp	1.35	1.12	.82
239222CB	LTC	LT1001CN8⊕	DIP-8	Precision op amplifier	2.05	1.65	1.30
239231CB	LTC	LT1002CN⊕	DIP-14	Dual matched precision op amp	~~$4.45~~ 4.09	3.17	2.45
239214CB	LTC	LT1006CN8⊕	DIP-8	Precision op amplifier	~~$2.59~~ 2.39	1.61	1.38
300231CB	LTC	LT1007CS8⊕	SOIC-8	Low noise high speed precision	~~$3.75~~ 3.45	2.30	1.83
239273CB	LTC	LT1012CN8⊕	DIP-8	Picoamp input curr, microvolt offset, low noise	3.95	2.80	2.34
239169CB	✦	LT1013CP⊕	DIP-8	Dual precision op amplifier	~~$1.25~~ 1.16	.94	.71
252005CB	✦	LT1013DD⊕	SOIC-8	Dual precision op amplifier	.86	.73	.55
239177CB	✦	LT1014DN⊕	DIP-14	Quad precision op amplifier	3.29	2.99	2.89
300193CB	LTC	LTC1050CN8⊕	DIP-8	Precision zero-drift w/ int. cap	3.65	2.48	2.09
193682CB	✦	LM1458M⊕	SOIC-8	Dual op amplifier	.26	.22	.18
23131CB	✦	LM1458N*⊕	DIP-8	Dual op amplifier	.29	.26	.20
302498CB	✦	LM1815N-ND⊕	DIP-14	Adaptive variable sensor amp	3.05	2.32	1.79
310172CB	TI	TLE2021CD⊕	SOIC-8	Excalibur hi speed low pwr prec	1.05	.86	.79
280129CB	TI	TLE2021CP⊕	DIP-8	Excalibur hi speed low pwr prec	1.05	.88	.66
310236CB	TI	TLE2022CD⊕	SOIC-8	Excal hi spd LP dual prec op amp	1.69	1.39	1.30
280111CB	TI	TLE2022CP⊕	DIP-8	Excal hi spd LP dual prec op amp	1.39	1.25	1.18
280102CB	TI	TLE2024CDW⊕	SOIC-16	Excal hi spd LP quad prec op amp	~~$2.85~~ 2.65	2.56	2.29
280090CB	TI	TLE2024CN⊕	DIP-14	Excal hi spd LP quad prec op amp	~~$2.79~~ 2.65	2.53	2.28
310658CB	TI	TLE2027CD⊕	SOIC-8	Excal hi spd LP low offset prec op amp	1.75	1.65	1.55
310682CB	TI	TLE2072CD⊕	SOIC-8	Excalibur low noise hi speed JFET input	2.05	1.74	1.31
310674CB	TI	TLE2072CP⊕	DIP-8	Excalibur low noise hi speed JFET input	1.89	1.85	1.77
275848CB	TI	OPA2131UJ⊕	SOIC-8	General purpose FET-input op amp	~~$2.89~~ 2.55	2.45	2.34
279996CB	TI	TLV2450CP⊕	DIP-8	Rail-to-rail I/O op amp w/ shutdwn	~~$1.25~~ .92	.85	.63
279988CB	TI	TLV2451CD⊕	SOIC-8	Rail-to-rail I/O op amp	~~$1.29~~ 1.09	.97	.90
279970CB	TI	TLV2451CP⊕	DIP-8	Rail-to-rail I/O op amp	~~$1.15~~ 1.09	.96	.90
272209CB	TI	TLV2454CD⊕	SOIC-14	4-ch r-r I/O op amp	~~$1.95~~ 1.85	1.76	1.59
279961CB	TI	TLV2454CN⊕	DIP-14	4-ch r-r I/O op amp	~~$2.05~~ 1.85	1.75	1.60
310308CB	TI	TLV2474CD⊕	SOIC-14	Quad LP r-r input/output w/ shtdwn	2.09	1.79	1.73
279945CB	TI	TLV2474CN⊕	DIP-14	2.8MHz r-r I/O hi drive w/shtdwn	~~$2.05~~ 1.85	1.70	1.57
279953CB	TI	TLV2474IN⊕	DIP-14	2.8MHz r-r I/O hi drive w/shtdwn, ext. temp.	1.95	1.80	1.65
315096CB	✦	TLC27L2BCD⊕	SOIC-8	LinCMOS precision dual op amp	.75	.69	.68
315088CB	✦	TLC27L2BCP⊕	DIP-8	LinCMOS precision dual op amp	.69	.58	.47
315061CB	✦	TLC27L4ACD⊕	SOIC-14	LinCMOS precision quad op amp	.79	.66	.538
315053CB	✦	TLC27L4ACN⊕	DIP-14	LinCMOS precision quad op amp	.71	.60	.57
245606CB	✦	LM2902M⊕	SOIC-14	Low power quad op amplifier	.25	.21	.16
57007CB	✦	LM2902N⊕	DIP-14	Low power quad op amplifier	.25	.23	.22

*10 pcs. in Linear kit, pg 38 **20 pcs. in Linear kit, pg 38 ✦ Jameco Value Offering

✪ Blue Part No. = Limited Quantity Available

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.



Manufacturer Cross Reference Table

Jameco Value Offering ✦

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Op Amps (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
245622CB	✦	LM2904M ⊕	SOIC-8	Low power dual op amplifier	$.24	$.20	$.15
121005CB	✦	LM2904N ⊕	DIP-8	Low power dual op amplifier	.23	.22	.18
278141CB	TI	THS3001CD ⊕	SOIC-8	420MHz hi-speed curr. feedback ~~$5.89~~	5.05	4.95	4.79
12116CB	✦	CA3080E	DIP-8	Op transconductance amp (100135)	2.95	2.65	2.38
12183CB	✦	CA3130E ⊕	DIP-8	CMOS op amplifier ~~$1.29~~	.71	.68	.51
12204CB	✦	CA3140E ⊕	DIP-8	Bi-MOS op amplifier ~~$.79~~	.59	.55	.51
246721CB	✦	MC3303D ⊕	SOIC-14	Quad op amplifier	.52	.41	.30
212193CB	✦	MC3403N ⊕	DIP-14	Quad bipolar op amplifier	.42	.37	.275
246617CB	✦	LM3900D ⊕	SOIC-14	Quad amplifier ~~$.86~~	.78	.66	.54
24168CB	✦	LM3900N ⊕	DIP-14	Quad amplifier	.77	.65	.53
239185CB	TI	THS4031CD ⊕	SOIC-8	100MHz op amp	3.65	3.45	3.25
278150CB	TI	THS4032CD ⊕	SOIC-8	100MHz low noise hi-speed amp	6.05	5.65	5.26
278176CB	TI	THS4082CD ⊕	SOP-8	175MHz LP hi-speed amp ~~$5.69~~	5.29	4.95	4.63
278168CB	TI	THS4082ID ⊕	SOP-8	175MHz LP hi-speed amp, I-temp. ~~$5.89~~	5.05	4.95	4.79
279929CB	TI	TLV4112CD ⊕	SOIC-8	High output drive w/ shutdown ~~$1.95~~	1.75	1.44	1.35
29356CB	✦	RC4136N ⊕	DIP-14	Quad op amp (XR4136) ~~$.74~~	.68	.63	.47
275741CB	✦	OPA4137PA ⊕	DIP-14	Low cost FET input op amp ~~$2.35~~	2.05	1.95	1.90
121072CB	✦	LM4250CN ⊕	DIP-8	Programmable op amp	.69	.62	.52
251256CB	TI	TLC4501ACD ⊕	SOIC-8	Prec. CMOS r-r output, low offset op amp	2.35	2.25	2.09
300767CB	TI	TLC4501AID ⊕	SOP-8	Prec. CMOS r-r output, low offset	2.35	2.20	1.90
251264CB	TI	TLC4501CD ⊕	SOIC-8	Prec. CMOS r-r output	2.25	2.15	2.02
251281CB	TI	TLC4502AID ⊕	SOIC-8	Dual prec. CMOS r-r output, low offset	3.55	3.40	3.20
310092CB	TI	TLC4502AQD ⊕	SOP-8	Dual prec. CMOS r-r output, low offset	3.89	3.68	3.45
251272CB	TI	TLC4502ID ⊕	SOIC-8	Dual prec. CMOS r-r output ~~$3.75~~	3.25	3.15	3.01
254861CB	FSC	KA4558 ⊕	DIP-8	Dual op amplifier	.41	.336	.252
251150CB	✦	MC4558CD ⊕	SOIC-8	Wide bandwidth dual bipolar op amp	.39	.30	.22
251125CB	✦	MC4558CN ⊕	DIP-8	Wide bandwidth dual bipolar op amp	.31	.29	.27
311933CB	✦	EL5100IS ⊕	SOIC-8	200MHz slew enhanced volt feedback	2.45	2.30	2.10
311941CB	✦	EL5106IS ⊕	SOIC-8	350MHz fixed gain amplifier w/ enable	2.29	2.04	1.81
311925CB	✦	EL5108IS ⊕	SOIC-8	450MHz fixed gain amplifier w/ enable	2.55	2.24	1.98
252970CB	✦	NE5532AP ⊕	DIP-8	Dual lower noise op amplifier	.69	.58	.47
27385CB	✦	NE5532N* ⊕	DIP-8	Dual low noise op amplifier ~~$.72~~	.66	.50	.38
27406CB	✦	NE5534 ⊕	DIP-8	Low noise op amplifier	.78	.66	.54
193746CB	✦	NE5534D ⊕	SOIC-8	Low noise op amplifier	.56	.49	.39
311001CB	MCH	MCP6002-I/P ⊕	DIP-8	1MHz bandwidth low power op amp	.45	.42	.40
310990CB	MCH	MCP6002-I/SN ⊕	SOIC-8	1MHz bandwidth low power op amp	.43	.415	.40
311714CB	MCH	MCP6021-I/SN ⊕	SOIC-8	2.5V, 10MHz r-r input/output	1.27	1.16	1.10
311722CB	MCH	MCP6021-I/P ⊕	DIP-8	2.5V, 10MHz r-r input/output	1.27	1.24	1.18
266950CB	NSC	LMC6035IBP ⊕	µSMD-8	Low pwr 2.7V single supply CMOS ~~$1.59~~	1.34	.99	.74
301241CB	NSC	LMC6035IM ⊕	SOIC-8	Low pwr 2.7V single supply CMOS ~~$2.05~~	1.34	.99	.72
267039CB	NSC	LMC6041IN ⊕	DIP-8	CMOS single micropower op amp	1.30	1.11	.83
302121CB	NSC	LM6132AIM ⊕	SOIC-8	Dual LP r-r in/out, 10MHz, lower VOS ~~$3.59~~	2.85	2.65	2.55
302105CB	NSC	LM6132BIM ⊕	SOIC-8	Dual LP r-r in/out, 10MHz ~~$2.75~~	2.19	2.00	1.87
302113CB	NSC	LM6132BIN ⊕	DIP-8	Dual LP r-r in/out, 10MHz ~~$2.69~~	2.19	2.14	2.09
302009CB	NSC	LM6134AIM ⊕	SOIC-14	Quad LP r-r in/out, 10MHz, lower VOS ~~$3.85~~	3.55	3.15	2.95
302084CB	NSC	LM6134BIM ⊕	SOIC-14	Quad LP r-r in/out, 10MHz ~~$3.15~~	2.79	2.50	2.45
302076CB	NSC	LM6134BIN ⊕	DIP-14	Quad LP r-r in/out, 10MHz ~~$3.15~~	2.79	2.50	2.45
302068CB	NSC	LM6142AIM ⊕	SOIC-8	Dual r-r in/out, 17MHz ~~$4.65~~	4.35	3.85	3.62
301997CB	NSC	LM6144BIM ⊕	SOIC-14	Quad r-r in/out, 17MHz ~~$5.55~~	4.85	4.45	4.25
301989CB	NSC	LM6152ACM ⊕	SOIC-8	Dual r-r in/out, 75MHz GBW ~~$3.99~~	3.25	3.15	3.10
301891CB	NSC	LM6171AIM ⊕	SOIC-8	Hi speed, LP low distortion, lower VOS	2.75	2.45	2.35
301882CB	NSC	LM6171BIM ⊕	SOIC-8	Hi speed, LP low distortion volt feedback	2.35	2.10	2.01
301903CB	NSC	LM6171BIN ⊕	DIP-8	Hi speed, LP low distortion volt feedback	2.35	1.80	1.40
311992CB	NSC	LM6181IM ⊕	SOIC-8	100mA, 100MHz current feedback	2.35	1.79	1.70
301874CB	NSC	LM6181IN ⊕	DIP-8	100mA, 100MHz current feedback	2.79	2.19	1.79

*10 pcs. in Linear kit, pg 38

Op Amps (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
267063CB	NSC	LMC6442AIM ⊕	SOIC-8	Dual µpwr single-supply r-r, lower VOS ~~$2.39~~	$2.25	$2.05	$1.85
301436CB	NSC	LMC6442IM ⊕	SOIC-8	Dual µpwr r-r output single supply ~~$2.55~~	2.25	1.92	1.62
301364CB	NSC	LMC6442IN ⊕	DIP-8	Dual µpwr r-r output single supply ~~$2.75~~	2.25	1.95	1.75
267119CB	NSC	LMC6462AIM ⊕	SOIC-8	Dual µpwr sngl-supp r-r I/O CMOS, lower VOS	2.39	2.16	1.95
126906CB	NSC	LMC6462AIN ⊕	DIP-8	µpwr r-r I/O CMOS op amp, lower VOS	2.59	2.25	2.02
126893CB	NSC	LMC6482AIN ⊕	DIP-8	CMOS dual r-r input/output, lower VOS ~~$2.09~~	1.89	1.43	1.07
251168CB	NSC	LMC6482AIM ⊕	SOIC-8	CMOS dual r-r input/output, lower VOS	1.79	1.36	1.02
267127CB	NSC	LMC6482IM ⊕	SOIC-8	CMOS dual r-r I/O op amp ~~$1.69~~	1.55	1.15	.86
267223CB	NSC	LMC6482IN ⊕	DIP-8	CMOS dual r-r I/O op amp ~~$1.89~~	1.55	1.13	.84
267240CB	NSC	LMC6484AIM ⊕	SOIC-14	CMOS quad r-r I/O op amp, lower VOS ~~$3.49~~	2.75	2.09	1.75
301356CB	NSC	LMC6484AIN ⊕	DIP-14	CMOS quad r-r I/O op amp, lower VOS	4.09	3.13	2.42
267258CB	NSC	LMC6484IM ⊕	SOIC-14	CMOS quad r-r I/O op amp ~~$3.79~~	2.15	1.62	1.28
311811CB	NSC	LMH6702MA ⊕	SOIC-8	Single ultra low-distortion, wideband	2.99	2.48	2.40
251871CB	NSC	LMC7101AIM5 ⊕	SOT-23/5	Tiny low power w/ r-r I/O ~~$1.13~~	1.03	.76	.57
251900CB	NSC	LMC7111AIN ⊕	DIP-8	Tiny CMOS op amp w/ r-r I/O ~~$1.55~~	1.39	1.03	.76
301807CB	NSC	LM7171AIM ⊕	SOIC-8	Hi speed hi output current volt feedback ~~$2.89~~	2.39	2.15	1.98
301794CB	NSC	LM7171AIN ⊕	DIP-8	Hi speed hi output current volt feedback ~~$2.89~~	2.39	2.15	1.98
301751CB	NSC	LM7171BIM ⊕	SOIC-8	Hi speed hi output current volt feedback	2.25	2.15	1.98
301823CB	NSC	LM7171BIN ⊕	DIP-8	Hi speed hi output current volt feedback ~~$2.55~~	2.35	1.95	1.75
301840CB	NSC	LM7121IM ⊕	SOIC-8	235MHz tiny low pwr volt feedback	2.49	1.87	1.45
301701CB	NSC	LM7301IM ⊕	SOIC-8	Low pwr r-r in/pout, 4MHz GBW ~~$2.09~~	1.75	1.31	1.15
301655CB	NSC	LM7301IM5 ⊕	SOT-23/5	Low pwr r-r in/pout, 4MHz GBW ~~$1.99~~	1.75	1.31	.98
315281CB	✦	ICL7611DCBA ⊕	SOIC-8	1.4MHz LP CMOS op amp	.85	.83	.79
315272CB	✦	ICL7611DCPA ⊕	DIP-8	1.4MHz LP CMOS op amp	.76	.63	.58
311159CB	ADI	AD8002AR ⊕	SOIC-8	Dual 600MHz, 50mW, curr. feedback	4.85	4.19	3.95
312776CB	ADI	AD8042AR ⊕	SOIC-8	Low-cost, high speed r-r	4.65	3.58	2.97
312750CB	ADI	AD8052AR ⊕	SOIC-8	Low-cost high speed r-r	2.55	2.08	1.75
312768CB	ADI	AD8052ARM ⊕	µSO-8	Low-cost high speed r-r	3.35	2.54	2.11
255257CB	ADI	AD8091AR ⊕	SOIC-8	Low-cost high speed r-r	1.35	1.20	1.08
255231CB	ADI	AD8092ARM ⊕	µSO-8	Low-cost high speed r-r	1.45	1.30	1.18
311095CB	ADI	AD8307AN ⊕	DIP-8	Low-cost DC-500MHz 92dB logarithmic	13.29	12.63	12.00
311116CB	ADI	AD8307AR ⊕	SOP-8	Low-cost DC-500MHz 92dB logarithmic	9.45	7.85	7.75
255206CB	ADI	AD8510AR ⊕	SOIC-8	Prec. low noise/input bias curr. JFET input ~~$2.45~~	2.09	2.05	1.96
279591CB	ADI	AD8515ART ⊕	SOT-23/5	1.8V low pwr CMOS r-r I/O	.90	.80	.70
192532CB	✦	LM13700N ⊕	DIP-16	Dual op transcon. w/ diodes/buffer	1.49	1.19	.79
277704CB	✦	MC33202P ⊕	DIP-8	Low voltage r-r op amp ~~$1.15~~	.69	.59	.44
251117CB	✦	MC34072D ⊕	SOIC-8	Single supply 3V-44V op amp ~~$.63~~	.58	.54	.40
251061CB	✦	MC34072P ⊕	DIP-8	Single supply 3V-44V op amp	.91	.85	.63

Linear Series

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
25751CB	✦	MF10CN ⊕	DIP-20	General purpose dual active filter	$3.09	$2.37	$1.95
16301CB	✦	DS0026CN	DIP-8	Dual mos clk. driver (5MHz)(TC426CPA)	4.95	4.45	3.99
239281CB	✦	DG201BDJ ⊕	DIP-16	Quad analog switch	1.35	1.26	1.11
239290CB	✦	DG202BDJ ⊕	DIP-16	Quad analog switch	1.99	1.90	1.81
239311CB	✦	DG211BDJ ⊕	DIP-16	Quad analog switch	1.29	1.25	1.20
239329CB	✦	DG211CJ ⊕	DIP-16	SPST quad channel analog switch	2.85	2.18	1.57
302332CB	✦	LM231AN ⊕	DIP-8	Precision voltage to frequency con	7.25	7.10	7.02
302316CB	✦	LM231N ⊕	DIP-8	Prec. volt. to frequency con ~~$5.29~~	4.49	4.15	3.84
302324CB	✦	LM234Z-3 ⊕	TO-92	3-terminal adj. current source ~~$2.55~~	2.39	1.85	1.38
302308CB	✦	LM234Z-6 ⊕	TO-92	3-terminal adj. current source ~~$1.65~~	1.40	1.05	.78
302295CB	✦	LM236D ⊕	SOIC-8	2.5V voltage reference	.70	.60	.50
291080CB	✦	LM285BYZ-1.2 ⊕	TO-92	1.2V voltage reference diode, 1% tol.	2.15	1.61	1.20
297801CB	✦	LM285BYZ-2.5 ⊕	TO-92	2.5V voltage reference diode	2.15	1.93	1.44
312354CB	✦	LM285M ⊕	SOIC-8	Adjustable micropower volt reference	.96	.71	.527

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.

Linear Series (Continued)

Package (see pg 43)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
312362CB	✦	LM285M-1.2⊕	SOIC-8	1.2V micropower volt reference diode	$.79	$.71	$.52
312371CB	✦	LM285M-2.5⊕	SOIC-8	2.5V micropower volt reference diode	.79	.71	.527
291055CB	✦	LM285Z-1.2⊕	TO-92	1.2V voltage reference, 20mA	.52	.43	.32
291071CB	✦	LM285Z-2.5⊕	TO-92	2.5V voltage reference, 10mA	~~$.67~~ .51	.48	.36
245446CB	✦	MAX301CPE⊕	DIP-16	Precision dual hi speed analog switch	~~$3.65~~ 3.15	2.95	2.82
245456CB	✦	MAX301CSE⊕	SOIC-16	Precision dual hi speed analog switch	~~$4.39~~ 3.75	3.57	3.40
245462CB	✦	MAX303CPE⊕	DIP-16	Precision dual hi speed analog switch	7.75	7.30	6.22
277051CB	✦	MAX303CSE⊕	SOIC-16	Precision dual hi speed analog switch	9.59	8.55	7.53
297828CB	✦	LM331AN⊕	DIP-8	5V precision voltage-frequency con.	6.75	6.39	6.08
23721CB	✦	LM331N⊕	DIP-8	Prec volt to freq convrtr (150ppm/°C)	2.19	1.69	1.30
245729CB	✦	LM334M⊕	SOIC-8	3-terminal adjustable current source	.96	.82	.61
23739CB	✦	LM334Z⊕	TO-92	Adjust current source	~~$.72~~ .43	.40	.30
291135CB	✦	LM336BZ-2.5⊕	TO-92	2.5V voltage reference diode	~~$1.55~~ 1.16	.98	.73
297676CB	✦	LM336BZ-5.0⊕	TO-92	5V voltage reference diode	1.55	1.16	.87
193578CB	✦	LM336M-2.5⊕	SOIC-8	Precision 2.5V shunt regulator diode	.64	.55	.41
23771CB	✦	LM336Z-2.5⊕	TO-92	Voltage reference (2.5V)	.50	.46	.245
120871CB	✦	LM385BZ-1.2⊕	TO-92	Voltage reference diode (1.2V ±1.5%)	.51	.46	.34
120889CB	✦	LM385BZ2.5⊕	TO-92	Voltage reference diode (2.5V±1.5%)	.51	.47	.42
24117CB	✦	LM385Z12⊕	TO-92	Micropower volt ref diode (1.2V)	.49	.45	.40
24109CB	✦	LM385Z-2.5⊕	TO-92	Voltage reference diode (2.5V±3%)	.57	.55	.395
23000CB	✦	LF398N⊕	DIP-8	Sample and hold circuit	~~$1.09~~ .90	.81	.73
309833CB	✦	DG403DJ⊕	DIP-16	Improved dual hi speed analog switch	3.75	3.54	3.31
245454CB	✦	DG403DY⊕	SOIC-16	Imprvd dual hi spd analog switch	1.19	.78	.70
245489CB	✦	DG405DJ⊕	DIP-16	Improved dual hi speed analog switch	~~$3.25~~ 2.75	2.50	2.25
256541CB	✦	DG406DJ⊕	DIP-28	Imprvd 16-ch/dual 8-ch CMOS analog mux.	4.65	3.94	2.96
272161CB	✦	DG407DJ⊕	DIP-28	Imprvd 16-ch/dual 8-ch CMOS analog mux.	5.69	5.11	4.61
288227CB	✦	DG407DN⊕	PLCC-28	8-channel analog multiplexer	~~$6.69~~ 5.85	5.42	4.99
256532CB	✦	DG408DJ⊕	DIP-16	Imprvd 8-ch/dual 4-ch CMOS analog mux.	1.65	1.55	1.46
279582CB	✦	DG408DY⊕	SOIC-16	Imprvd 8-ch/dual 4-ch CMOS analog mux.	~~$1.59~~ 1.30	1.23	.92
288243CB	✦	DG409BN⊕	DIP-16	4-channel analog multiplexer	4.05	3.95	3.87
288260CB	✦	DG409DJ⊕	DIP-16	4-channel analog multiplexer	~~$1.65~~ 1.25	1.15	1.05
279574CB	✦	DG409DY⊕	SOIC-16	Imprvd 8-ch/dual 4-ch CMOS analog mux.	~~$1.55~~ 1.32	1.25	.93
243643CB	✦	DG411DJ⊕	DIP-16	Quad precision analog switch	1.99	1.89	1.73
243651CB	✦	DG411DY⊕	SOIC-16	Quad analog switch	1.89	1.80	1.35
256516CB	✦	DG412DJ⊕	DIP-16	Improved quad SPST analog switch	1.59	1.05	.81
245358CB	✦	DG412DY⊕	SOIC-16	Improved quad SPST analog switch	~~$1.55~~ 1.35	1.23	1.02
272137CB	✦	DG413DY⊕	SOIC-16	Improved quad SPST analog switch	1.49	1.43	1.07
279540CB	✦	DG419DJ⊕	DIP-8	Improved SPST/SPDT analog switch	1.95	1.73	1.69
246561CB	✦	DG419DY⊕	SOIC-8	Improved SPST/SPDT analog switch	1.15	.98	.73
33347CB	✦	TL431CLP⊕	TO-92	Program precision reference	.32	.27	.20
279558CB	✦	DG441DJ⊕	DIP-16	Improved quad SPST analog switch	~~$1.65~~ 1.43	1.15	.97
256495CB	✦	DG442DJ⊕	DIP-16	Improved quad SPST analog switch	1.65	1.48	1.35
256508CB	✦	DG442DY⊕	SOIC-16	Improved quad SPST analog switch	1.08	.92	.69
256487CB	✦	DG444DJ⊕	DIP-16	Improved quad SPST analog switch	1.29	1.20	.93
256479CB	✦	DG444DY⊕	SOIC-16	Improved quad SPST analog switch	1.36	1.26	1.16
256452CB	✦	DG445DJ⊕	DIP-16	Improved quad SPST analog switch	1.35	1.28	1.25
256444CB	✦	DG445DY⊕	SOIC-16	Improved quad SPST analog switch	1.26	1.07	.80
33355CB	✦	TL494CN⊕	DIP-16	Control circuit pulse-width-modulated	.43	.37	.27
288391CB	✦	DG506AKN⊕	DIP-28	1-channel analog multiplexer	~~$10.49~~ 7.85	7.50	5.60
86799CB	✦	LM555CM⊕	SOIC-8	Timer (NE555D)	.25	.16	.13
27422CB	✦	LM555CN**⊕	DIP-8	Timer (MC1455P/NE555V)	.29	.23	.20
246676CB	✦	LMC555CM⊕	SOIC-8	CMOS 555 timer	~~$.65~~ .59	.42	.31
126797CB	✦	LMC555CN*⊕	DIP-8	CMOS 555 timer	.51	.47	.42
193658CB	✦	LM556CM⊕	SOIC-14	Dual 555 timer	.75	.41	.26
24328CB	✦	LM556N*⊕	DIP-14	Dual 555 timer	.82	.60	.45
27457CB	✦	NE558N	DIP-16	Quad timer (NE558C)	.68	.62	.52
27473CB	✦	NE564N⊕	DIP-16	High frequency phase locked loop	1.95	1.49	1.05
24352CB	✦	LM565N⊕	DIP-14	Phased locked loop	1.69	1.28	.96
193666CB	✦	LM567CM⊕	SOIC-8	Tone decoder	.53	.40	.30
24395CB	✦	LM567CN⊕	DIP-8	Tone decoder	.48	.45	.33
277691CB	✦	LMC567CM⊕	SOIC-8	Low-power tone decoder	~~$1.65~~ 1.38	1.18	.88
246650CB	✦	LMC567CN⊕	DIP-8	Tone decoder	1.45	1.23	.92
243387CB	✦	LMC568CN⊕	DIP-8	Low power phase-locked loop	1.65	.88	.80
27490CB	✦	NE571N	DIP-16	Compander, subscriber	3.29	2.99	2.69
287700CB	✦	AD580JH⊕	TO-52	2.5V volt reference high precision	3.45	2.89	2.42

*10 pcs. in Linear kit, pg 38 **20 pcs. in Linear kit, pg 38 ✦ Jameco Value Offering

Linear Series (Continued)

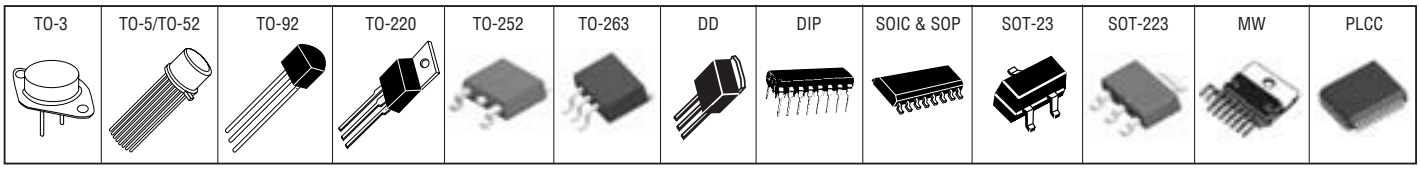
Package (see pg 43)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
287734CB	✦	AD580LH⊕	TO-52	2.5V volt reference high precision	$9.49	$8.05	$6.91
287785CB	ADI	AD581KH⊕	TO-5/3	10V volt ref hi prec 10mV tolerance	8.09	7.37	6.61
287814CB	ADI	AD584JH⊕	TO-99	Prog voltage reference 30mV tol.	~~$6.85~~ 5.65	5.15	4.70
288155CB	ADI	AD584KN⊕	DIP-8	Prog voltage reference 11mV tol.	10.69	10.15	9.63
312012CB	ADI	AD586JN⊕	DIP-8	High precision 5V reference	5.65	5.11	4.81
312004CB	ADI	AD586KR⊕	SOIC-8	High precision 5V reference	6.65	5.38	4.58
115174CB	ADI	AD620AN⊕	DIP-8	Low-cost instrument amplifier	~~$16.15~~ 14.85	13.65	12.45
310383CB	ADI	AD622AR⊕	SOIC-8	Low-cost instrument amplifier	5.55	4.25	3.94
115182CB	ADI	AD633JN⊕	DIP-8	Low-cost analog multiplier	7.75	6.97	6.28
241912CB	✦	TC646VOA⊕	SOIC-8	3-5V, PWM fan controller	~~$2.55~~ 2.25	2.15	2.05
276509CB	✦	MAX660CSA⊕	SOIC-8	CMOS monolithic voltage converter	~~$6.65~~ 5.59	4.62	3.13
312194CB	✦	MAX662ACPA⊕	DIP-8	Pos. 12V 30mA flash memory prog supply	4.05	3.37	3.20
312186CB	✦	MAX662ACSA⊕	SOIC-8	Pos. 12V 30mA flash memory prog supply	4.09	2.79	2.20
312151CB	MAX	MAX724CCK⊕	TO-220/5	5A/2A step-down PWM switch mode DC-DC reg	10.75	9.13	8.67
25435CB	✦	MC846P	DIP-14	Quad 2-input gate	3.95	2.95	2.25
315969CB	✦	TC962COE⊕	SOIC-16	High current charge pump DC-DC con.	2.25	2.23	2.20
316515CB	✦	TC962CPA⊕	DIP-8	High current charge pump DC-DC con.	2.49	2.37	2.25
239257CB	✦	LT1004CZ-1.2⊕	TO-92	1.2V, micropower voltage reference	.68	.57	.46
239265CB	✦	LT1004CZ-2.5⊕	TO-92	2.5V, micropower voltage reference	.68	.58	.48
301541CB	✦	LT1009CLP⊕	TO-92	2.5V voltage reference diode	~~$.62~~ .55	.50	.37
300177CB	LTC	LT1009CZ⊕	TO-92	2.5V voltage reference diode	~~$2.15~~ 1.99	1.32	1.15
312258CB	MAX	MAX1044CPA⊕	DIP-8	Switched capacitor volt converters	2.35	1.96	1.86
312240CB	MAX	MAX1044CSA⊕	SOIC-8	Switched capacitor volt converters	2.85	2.38	2.26
300206CB	LTC	LTC1046CS8⊕	SOIC-8	Inductorless 5V to 5V converter	~~$4.79~~ 4.35	2.95	2.55
278184CB	✦	TL1451ACN⊕	DIP-16	Dual pulse-width-mod control circuit	1.85	1.51	1.13
118578CB	✦	MC1495L	DIP-14	Linear four quadrant multiplier	9.95	8.95	8.05
23211CB	✦	LM1496N⊕	DIP-14	Balanced mod/demodulator (MC1496P)	.65	.60	.54
311790CB	MCH	MCP1252-33X50⊕	MSOP-8	Low-noise pos regulated charge pump	2.25	2.17	2.07
314261CB	ANA	AP1501K5⊕	TO-263/5	150kHz, 5A buck PWM DC/DC con.	2.59	2.02	1.54
314296CB	ANA	AP1501-50K5⊕	TO-263/5	150kHz, 3A buck PWM DC/DC con.	4.05	3.15	2.39
34278CB	✦	ULN2003AN*⊕	DIP-16	Hi-volt/curr. darl. transistor array	.39	.32	.28
193826CB	✦	ULN2003AD⊕	SOIC-16	Hi-volt/curr. darl. transistor array	.39	.35	.26
34294CB	✦	ULN2004AN⊕	DIP-16	Hi-volt/curr. darl. trans. array (XR2204CP)	.35	.30	.25
241891CB	✦	ML2035CP⊕	DIP-8	Serial input prog. sine wave generator	7.89	6.95	6.21
241883CB	✦	ML2036CP⊕	DIP-14	5V, 50kHz prog. sine wave generator	16.65	14.96	13.47
34972CB	✦	XR2206CP⊕	DIP-16	Monolithic function generator	3.59	3.29	2.99
34999CB	✦	XR2211N⊕	DIP-14	FSK demodulator/tone decoder	1.79	1.59	1.39
280081CB	✦	TLE2425CD⊕	SOIC-8	Precision virtual ground	~~$1.29~~ 1.19	.96	.72
280022CB	✦	TLE2426CD⊕	SOIC-8	Rail splitter precision virtual ground	1.19	.91	.82
280073CB	✦	TLE2426CLP⊕	TO-92	Rail splitter precision virtual ground	1.19	.91	.82
34315CB	✦	ULN2803A*⊕	DIP-18	Hi-volt/curr. darl. transistor array	.69	.59	.49
123625CB	✦	LM2907N-8⊕	DIP-8	Frequency to voltage converter	1.55	1.39	1.11
23317CB	✦	LM2907N⊕	DIP-14	Frequency to voltage converter	1.39	1.11	.93
245631CB	✦	LM2917M⊕	SOIC-14	Freq. to voltage conv. w/ zener	1.65	1.45	1.40
23350CB	✦	LM2917N-8⊕	DIP-8	Freq. to voltage conv. w/ zener	1.89	1.46	1.31
23341CB	✦	LM2917N-14⊕	DIP-14	Freq. to voltage conv. w/ zener	~~$1.79~~ 1.69	1.28	1.19
12079CB	✦	CA3046N⊕	DIP-14	NPN transistor array (ULN2046)	.45	.42	.37
12159CB	✦	CA3086N	DIP-14	Transistor array NPN (ULN2086)	1.24	1.11	1.00
12247CB	✦	CA3162E	DIP-16	Dual slope & rate analog/digital con	6.79	6.14	5.53
31974CB	✦	SG3524N⊕	DIP-16	Regulating pulse width modulator	.53	.50	.42
235328CB	✦	UC3525AN⊕	DIP-8	SMPS Controller	~~$.57~~ .39	.36	.30
314181CB	ANA	AP3842S♻	SO-8	High perf current mode PWM contrlr	.76	.64	.504
314190CB	ANA	AP3842N⊕	DIP-8	High perf current mode PWM contrlr	.65	.61	.523
243521CB	✦	UC3842AN⊕	DIP-8	30V, curr. mode PWM contrlr, hi UVLO	~~$.48~~ .40	.37	.33
278926CB	✦	UC3842D⊕	SOIC-14	30V, curr. mode PWM contrlr, hi UVLO	~~$.87~~ .75	.60	.45
243504CB	✦	UC3843AN⊕	DIP-8	30V, curr. mode PWM controller	~~$.44~~ .40	.37	.30
279443CB	✦	UC3844D⊕	SOIC-14	30V, curr. mode PWM contrlr, hi UVLO 50% DC	.43	.41	.30
243512CB	✦	UC3844N⊕	DIP-8	30V, curr. mode PWM contrlr, hi UVLO 50% DC	.44	.38	.31
243491CB	✦	UC3845N⊕	DIP-8	30V, curr. mode PWM contrlr, 50% duty cycle	.44	.41	.35
279451CB	✦	UC3846N⊕	DIP-16	40V, current mode PWM controller	~~$.97~~ .45	.38	.28
243571CB	✦	LM4040AIZ-10⊕	TO-92	10V, prec. µPwr shunt volt ref, 0.1%VR tol	1.55	1.42	1.06
243598CB	✦	LM4040AIZ-2.5⊕	TO-92	2.5V, prec. µPwr shunt volt ref, 0.1%VR tol	.95	.71	.53
243580CB	✦	LM4040AIZ-5.0⊕	TO-92	5.0V, prec. µPwr shunt volt ref, 0.1%VR tol	~~$1.79~~ 1.59	1.48	1.11
243619CB	✦	LM4040CIZ-2.5⊕	TO-92	2.5V, prec. µPwr shunt volt ref, 0.5%VR tol	.95	.71	.53
243601CB	✦	LM4040CIZ-5.0⊕	TO-92	5.0V, prec. µPwr shunt volt ref, 0.5%VR tol	.57	.53	.48

*10 pcs. in Linear kit, pg 38 ✦ Jameco Value Offering

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Thousands of new ICs are in the pipeline for addition and not shown below. Call us to see if you can save 10-20%.



Manufacturer Cross Reference Table

Jameco Value Offering ✦

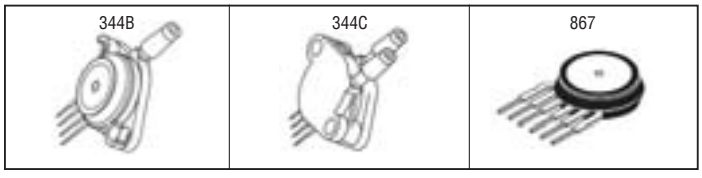
Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

Linear Series (Continued)

Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
302252CB	NSC	LM4040DIZ-2.5⊕	TO-92	2.5V, prec. µPwr shunt volt ref, 1.0%VR tol ~~$.99~~	$.81	$.60	$.45
302228CB	NSC	LM4040DIZ-5.0⊕	TO-92	5.0V, prec. µPwr shunt volt ref, 1.0%VR tol .. ~~$.99~~	.48	.44	.39
25275CB	✦	MC4044P	DIP-14	Frequency phase detector	9.99	7.49	5.25
29372CB	✦	RC4151NB⊕	DIP-8	Volt to frequency converter (XR4151) ..	1.59	1.43	1.29
312119CB	✦	TPS6734ID⊕	SOIC-8	Fixed 12V 120mA boost converter supply	1.95	1.89	1.81
297924CB	✦	TPS6734IP⊕	DIP-8	Fixed 12V 120mA boost converter supply ~~$1.95~~	1.75	1.41	1.05
312143CB	TI	TPS6735ID⊕	SOIC-8	Fixed neg 5V 200mA invert DC/DC con	1.95	1.88	1.81
312135CB	TI	TPS6735IP⊕	DIP-8	Fixed neg 5V 200mA invert DC/DC con	1.99	1.82	1.70
312127CB	TI	TPS6755ID⊕	SOIC-8	Adjustable inverting DC/DC inverter ..	2.15	1.85	1.81
288163CB	ADI	AD7501KN⊕	DIP-16	8-channel analog multiplexer	12.15	11.55	10.98
288180CB	ADI	AD7506JN⊕	DIP-28	16-channel analog multiplexer	14.69	13.15	11.75
51140CB	✦	7555IPA⊕	DIP-8	CMOS timer (LM555CN)	.33	.31	.29
51174CB	✦	7660CPA⊕	DIP-8	CMOS volt convrtr (+5 to ±5V) (M660AN)	.85	.75	.65
290301CB	✦	ICL7660ACPA⊕	DIP-8	1.5V - 12V volt converter, 10kHz, supp	1.35	1.23	.92
290335CB	✦	ICL7660SCPA⊕	DIP-8	1.5V - 12V volt convrtr, 10kHz freq boost ~~$1.59~~	1.19	1.02	.76
316662CB	✦	ICL7662CBA⊕	SOIC-8	Volt converter, 20Vin, 4.5-20V out	2.99	2.79	2.65
316646CB	✦	ICL7662CPA	DIP-8	Volt converter, 20Vin, 4.5-20V out	2.95	2.75	2.49
51879CB	✦	8038CCPD⊕	DIP-14	Precision wave form generator	4.95	4.49	3.95
316540CB	✦	TC9400CPD⊕	DIP-14	Volt freq/freq volt converter	5.75	5.34	5.07
316531CB	✦	TC9400COD⊕	SOIC-14	Volt freq/freq volt converter.....	6.35	6.03	5.73
25021CB	ON	MC14411P	DIP-24	Bit rate frequency generator ..... ~~$5.95~~	4.49	4.35	4.20
241841CB	✦	MC14467⊕	DIP-16	Smoke detector, ionization type .. ~~$1.35~~	.95	.85	.77
25064CB	ON	MC14490P⊕	DIP-16	Hex contact bounce eliminator	6.95	6.25	5.59
354597CB	✦	MC14551N⊕	DIP-16	Quad 2-ch analog multi/demultiplexer...	1.20	.97	.74
354626CB	✦	MC14557⊕	DIP-16	1-64 bit variable length shift register ...	.73	.61	.60
241832CB	ON	MC145012⊕	DIP-16	Smoke detector, photoelectric type ...	2.25	2.14	2.03
246713CB	ON	MC145151DW2⊕	SOIC-28	Parallel input PLL freq synthesizer ~~$5.85~~	5.19	5.05	4.83
118586CB	ON	MC145151P⊕	DIP-28	Parallel input PLL freq synthesizer	5.85	4.97	3.73

Pressure Sensors



Typical applications: air movement control, level indicators, leak detection, robotics and industrial controls

• To convert kPa to PSI: 1kPa = 0.1450377PSI

freescale semiconductor

Part No.	Product No.	Type*	Case Type	Pressure (kPa)	Output	Op. Volt. (VDC@mA)	1	10	100
320899CB	MPX10DP⊕	—	344C	0 - 10	35mV	3 @ 6 ..	$10.95	$10.40	$10.18
320987CB	MPX2010DP⊕	D	344C	0 - 10	25mV	10 @ 6	14.85	14.07	13.37
321015CB	MPX2010GP⊕	G	344B	0 - 10	25mV	10 @ 6	14.65	13.90	13.21
321293CB	MPX5050D⊕	D	867	0 - 50	4.7V	5 @ 7	16.15	13.10	12.40

*** D = differential; G = gauge**

Hall-Effect Sensors

Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
319089CB	ATS137M⊕	SIP-3	Hall-effect switch 25mA, 20V max, ext. temp	$1.79	$1.57	$1.31
319097CB	AH175P⊕	SIP-3	Hall-effect latch 25mA, 20V max, mil. temp ...	1.79	1.57	1.31
319100CB	AH182PL	SIP-3	Hall-effect switch 25mA, low power	.72	.65	.504
319118CB	AH182WL	SOT-23/3	Hall-effect switch 25mA, low power	.72	.65	.494

Temperature Sensors

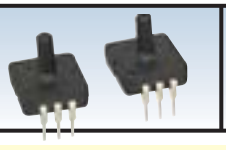
Package (see above)

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
107094CB	NSC	LM34CZ⊕	TO-92	Prec temp sensor (-40˚ to +230˚F)	$4.89	$4.52	$4.08
193480CB	NSC	LM34DM⊕	SOIC-8	Prec temp sensor (-55˚ to 300˚F) ...	1.75	1.32	.99
155192CB	NSC	LM34DZ⊕	TO-92	Prec temp sensor (+32˚ to +212˚F) ..	1.99	1.67	1.23
302560CB	NSC	LM35CAZ⊕	TO-92	Precision C temperature sensor	5.19	4.14	3.55
193498CB	NSC	LM35DM⊕	SOIC-8	Prec temp sensor (-55˚ to 150˚C) ~~$1.85~~	1.49	1.13	.84
192217CB	NSC	LM35DT⊕	TO-220/3	Prec temp sensor (-55˚ to 150˚C) ...	2.55	1.92	1.44
107107CB	NSC	LM35CZ⊕	TO-92	Prec temp sensor (-40˚ to 110˚C) ~~$5.35~~	4.39	3.37	2.52
155740CB	NSC	LM35DZ⊕	TO-92	Prec temp sensor (0˚ to +100˚C)	1.79	1.35	1.25
278361CB	ADI	TMP36FS⊕	SOIC-8	Low voltage temp sensor, ±2˚C	1.11	.97	.72
278395CB	ADI	TMP36GS⊕	SOIC-8	Low voltage temp sensor, ±3˚C	.97	.82	.61
278387CB	ADI	TMP36GT9⊕	TO-92	Low voltage temp sensor ..... ~~$1.09~~	1.00	.92	.83
302164CB	NSC	LM50BIM3⊕	SOT-23	Single supply temp sensor, ±2˚C ~~$1.45~~	1.35	1.00	.75
302172CB	NSC	LM50CIM3⊕	SOT-23	Single supply temp sensor, ±3˚C ~~$.99~~	.90	.66	.49
302148CB	NSC	LM56BIM⊕	SOIC-8	Dual output low-power thermo, dig-out ...	1.95	1.60	1.42
302092CB	✦	LM61CIZ	TO-92	2.7V analog temperature sensor ~~$.95~~	.74	.54	.46
301639CB	NSC	LM74CIBP-3⊕	µSMD-5	12-bit + sign digital temp sensor ...	2.19	1.70	1.44
301604CB	NSC	LM74CIBP-5⊕	µSMD-5	12-bit + sign digital temp sensor ~~$2.29~~	2.09	1.70	1.44
301621CB	NSC	LM74CIM-3⊕	SOIC-8	12-bit + sign digital temp sensor ~~$1.89~~	1.59	1.40	1.19
301583CB	NSC	LM74CIM-5⊕	SOIC-8	12-bit + sign digital temp sensor ~~$1.89~~	1.59	1.40	1.19
311853CB	NSC	LM75CIM-3⊕	SOIC-8	Digital temp sensor/thermal watchdog	1.65	1.32	1.17
311845CB	NSC	LM75CIM-5⊕	SOIC-8	Digital temp sensor/thermal watchdog	1.65	1.32	1.17
301567CB	NSC	LM77CIM-3⊕	SOIC-8	9-bit + sign digital window comp ... ~~$2.15~~	1.75	1.50	1.37
282028CB	✦	LM135H⊕	TO-46	Precision temperature sensor	8.55	7.67	6.91
120820CB	✦	LM335AZ⊕	TO-92	Precision temperature sensor	.81	.75	.71
193560CB	✦	LM335M⊕	SOIC-8	Precision temperature sensor ~~$1.10~~	.95	.70	.60
23755CB	✦	LM335Z⊕	TO-92	Volt mode temperature sensor	.67	.61	.44
241939CB	✦	AD590JH⊕	TO-52/3	Two terminal IC temp transducer ...	6.85	6.49	6.19
313306CB	✦	AD594AQ⊕	DIP-14	Thermocouple amp for iron-constantan	12.99	11.69	10.53
313293CB	✦	AD595AQ⊕	DIP-14	Thermocouple amp for chromel-alumel	13.55	11.89	10.52
302551CB	✦	DS18S20⊕	SOIC-8	High-prec. 1-wire digital thermo ~~$4.49~~	4.19	3.56	3.21
287371CB	✦	AD7814ARM⊕	µSO-8	10-bit digital temp. sensor	1.99	1.90	1.82

Digital Potentiometers

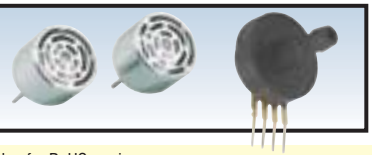
Package (see above)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
241744CB	MCP41010-I/P⊕	DIP-8	10kΩ, 256 steps, SPI digital pot	$1.59	$1.49	$1.39
241761CB	MCP41050-I/P⊕	DIP-8	50kΩ, 256 steps, SPI digital pot	1.85	1.55	1.40
241787CB	MCP41100-I/P⊕	DIP-8	100kΩ, 256 steps, SPI digital pot	1.55	1.47	1.39
241752CB	MCP42010-I/P⊕	DIP-14	10kΩ, 256 steps, 2-ch, SPI digital pot	2.35	2.21	2.10
241779CB	MCP42050-I/P⊕	DIP-14	50kΩ, 256 steps, 2-ch, SPI digital pot	2.55	2.10	2.07
241795CB	MCP42100-I/P⊕	DIP-14	100kΩ, 256 steps, 2-ch, SPI digital pot ~~$2.59~~	2.35	2.20	2.10



Looking for Non-Semiconductor Sensors?

See page 180 for liquid level, pressure, inductive proximity, ultrasonic, latched hall-effect and vibration/tilt switch sensors.



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

NPN Bipolar Transistors

Package (see pg 45)

✳ Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100	1000
214834CB	MMBTA05	✦	SOT-23	NPN	60	—	✳	$.06	$.04	$.02
297799CB	MPSA05	✦	TO-92	NPN	60	100 @ .01A	✳	.075	.064	.034
214842CB	MMBTA06	✦	SOT-23	NPN	80	100 @ .01A	✳	.06	.05	.03
26462CB	MPSA06*	✦	TO-92	NPN	30	50 @ .01A	✳	.05	.028	.026
288930CB	MPSH10	✦	TO-92	NPN	25	60 @ .004A	✳	.09	.08	.06
214851CB	MMBTA13	✦	SOT-23	NPN	30	5k @ .01A	✳	.06	.04	.03
26489CB	MPSA13*	✦	TO-92	NPN	30	5k @ .01A	✳	.066	.034	.028
214869CB	MMBTA14	✦	SOT-23	NPN	30	10k @ .01A	✳	.06	.04	.03
210593CB	MPSA14	✦	TO-92	NPN	30	20k @ .10A	✳	.083	.067	.038
210681CB	MPSA18	✦	TO-92	NPN	45	500 @ .001A	✳	.083	.062	.043
288850CB	MPSA29	✦	TO-92	NPN	100	10k @ .1A	✳	.06	.034	.025
33021CB	TIP29A	✦	TO-220	NPN	60	15 @ 1A	~~.44~~ .41	.39	.37	.30
297781CB	TIP29C	✦	TO-220	NPN	100	40 @ .2A	.25	.208	.195	.17
33048CB	TIP31A*	✦	TO-220	NPN	60	10 @ 3A	~~.49~~ .49	.39	.35	.29
179354CB	TIP31C	FSC	TO-220	NPN	100	10 @ 3A	.49	.37	.30	.18
33081CB	TIP41A	✦	TO-220	NPN	60	15 @ 3A	.59	.55	.50	.42
179371CB	TIP41C	FSC	TO-220	NPN	100	15 @ 3A	.34	.32	.27	.22
214885CB	MMBTA42	✦	SOT-23	NPN	300	40 @ .01A	✳	.065	.057	.04
178546CB	MPSA42	✦	TO-92	NPN	30	40 @ .03A	✳	.08	.075	.057
288614CB	TIP47	✦	TO-220	NPN	250	30 @ .3A	.48	.357	.202	.166
288631CB	TIP48	✦	TO-220	NPN	300	30 @ .3A	.39	.35	.28	.24
120221CB	BPW77NA	✦	TO-18	NPN	70	—	1.99	1.89	1.55	1.21
277413CB	PN100	✦	TO-92	NPN	45	100 @ .15A	✳	.06	.05	.037
288420CB	TIP100	✦	TO-220	NPN	60	1k @ 3A	.45	.41	.34	.25
297772CB	TIP101	✦	TO-220	NPN	80	1k @ 3A	.60	.54	.46	.34
32977CB	TIP102*	✦	TO-220	NPN	100	1k @ 3A	.57	.49	.41	.245
179240CB	TIP102	FSC	TO-220	NPN	100	1k @ 3A	.48	.43	.40	.317
288471CB	TIP110	✦	TO-220	NPN	60	1k @ 1A	.48	.457	.37	.23
288500CB	TIP111	✦	TO-220	NPN	80	1k @ 1A	~~.50~~ .37	.34	.32	.27
288518CB	TIP112	✦	TO-220	NPN	100	1k @ 1A	.43	.37	.34	.25
32993CB	TIP120*	✦	TO-220	NPN	60	1k @ 3A	.49	.45	.39	.27
179291CB	TIP120	FSC	TO-220	NPN	60	1k @ 3A	.54	.47	.39	.27
288585CB	TIP121	✦	TO-220	NPN	80	1k @ .5A	~~.49~~ .37	.32	.27	.23
120416CB	TIP122	✦	TO-220	NPN	100	1k @ 3A	.42	.37	.35	.285
179303CB	TIP122	FSC	TO-220	NPN	100	1k @ 3A	.55	.42	.32	.195
254772CB	BD237	✦	TO-126	NPN	80	40 @ .15A	.44	.40	.32	.24
254810CB	BC337	✦	TO-92	NPN	45	100 @ .10A	✳	.174	.114	.058
211529CB	MJE340	✦	TO-225	NPN	300	30 @ .05A	.34	.30	.26	.22
255994CB	BU406	✦	TO-220	NPN	200	—	~~$1.16~~ .99	.95	.74	.49
272031CB	BU407	✦	TO-220	NPN	150	—	.91	.81	.77	.58
254801CB	BC547B	✦	TO-92	NPN	45	330 @ .002A	✳	.075	.067	.051
254799CB	BC547C	✦	TO-92	NPN	45	600 @ .002A	✳	.08	.075	.05
254781CB	BC548B	✦	TO-92	NPN	30	110 @ .002A	✳	.15	.086	.064
309825CB	BD681	✦	TO-225	NPN	100	750 @ 2A	.49	.481	.285	.212
211553CB	MJE800	✦	TO-225	NPN	60	750 @ 1.5A	.29	.27	.24	.18
213920CB	MMBT918	✦	SOT-23	NPN	15	20 @ .003A	✳	.058	.042	.032
194327CB	2N2102	✦	TO-39	NPN	65	40 @ .15A	.42	.41	.39	.29
38228CB	2N2219A	✦	TO-39	NPN	40	100 @ .15A	.41	.37	.31	.28
94941CB	MMBT2222	✦	SOT-23	NPN	30	100 @ .15A	✳	.06	.04	.03
26446CB	MPQ2222	✦	DIP-14	NPN	40	100 @ .15A	2.79	2.52	2.29	2.13

✦ Jameco Value Offering FSC = Fairchild Semiconductor *10 pcs. in Transistor cabinet kit, below

Transistor Assortment Cabinet Kit



Includes:
20 drawer component cabinet (319599CB),
20 clear plastic drawers (319601CB),
20 clear dividers (319610CB), pg 295 and
30 adhesive labels for drawers to identify parts in kit

SAVE $8

10 each: 2N2222A, 2N2907A, 2N3053, 2N3055, 2N4401, 2N4403, 2N5951, 2N7000, MJE3055T, MPF102, MPSA06, MPSA13, TIP31A, TIP32A, TIP102, TIP120

100 each: 2N3904, 2N3906, PN2222, PN2907

Part No.	Description	Wt. (lbs.)	1	10
82595CB	560 pcs. (20 types) NPN, PNP transistor kit	5.1	$82.95	$74.65
130374CB	Refill for 82595CB (560 pcs.)	0.4	69.95	62.95

NPN Bipolar Transistors (Continued)

Package (see pg 45)

✳ Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100	1000
28628CB	PN2222**	✦	TO-92	NPN	30	100 @ .15A	✳	$.065	$.041	$.025
213938CB	MMBT2222A	✦	SOT-23	NPN	40	100 @ .15A	✳	.04	.03	.022
213997CB	MMPQ2222A	✦	SOIC-16	NPN	40	100 @ .15A	.94	.81	.71	.53
210673CB	MPS2222A	✦	TO-92	NPN	40	40 @ .50A	✳	.057	.041	.034
178511CB	PN2222A	✦	TO-92	NPN	40	100 @ .15A	✳	.13	.092	.051
38236CB	2N2222A*	✦	TO-18	NPN	40	100 @ .15A	.39	.35	.29	.25
213946CB	MMBT2369A	✦	SOT-23	NPN	15	40 @ .01A	✳	.04	.032	.024
26526CB	MPS2369	✦	TO-92	NPN	15	20 @ .10A	✳	.066	.042	.032
211334CB	MPS2369A✪	✦	TO-92	NPN	15	20 @ .10A	✳	.07	.052	.047
38295CB	2N3053*	✦	TO-39	NPN	40	25 @ .15A	.47	.43	.40	.37
211385CB	TIP3055	✦	TO-218	NPN	60	5 @ .001A	1.05	.99	.91	.74
38308CB	2N3055*	✦	TO-3	NPN	60	15 @ 10A	.95	.85	.72	.63
211406CB	2N3055A	✦	TO-3	NPN	60	20 @ 4A	1.55	1.49	1.13	.98
25857CB	MJE3055T	✦	TO-220	NPN	60	20 @ 4A	.53	.49	.45	.39
194415CB	2N3439	✦	TO-39	NPN	350	40 @ .02A	.53	.50	.48	.37
209242CB	2N3771	✦	TO-3	NPN	40	15 @ 15A	2.19	1.84	1.56	.99
38324CB	2N3772	✦	TO-3	NPN	40	15 @ 10A	2.49	2.05	1.79	1.15
140151CB	2N3773	✦	TO-3	NPN	140	15 @ 8A	2.45	2.32	2.26	2.07
94967CB	MMBT3904	✦	SOT-23	NPN	40	100 @ .01A	✳	.042	.034	.023
211351CB	MPS3904	✦	TO-92	NPN	40	100 @ .001A	✳	.10	.06	.04
38359CB	2N3904**	✦	TO-92	NPN	40	100 @ .01A	✳	.069	.057	.035
178597CB	2N3904	FSC	TO-92	NPN	40	100 @ .01A	✳	.09	.06	.048
38404CB	2N4123	✦	TO-92	NPN	30	25 @ .05A	✳	.10	.09	.07
214674CB	MMBT4124	✦	SOT-23	NPN	25	60 @ .05A	✳	.03	.025	.022
62295CB	2N4124	✦	TO-92	NPN	25	60 @ .05A	✳	.04	.03	.02
253411CB	2N4400	✦	TO-92	NPN	40	50 @ .15A	✳	.042	.03	.022
214703CB	MMBT4401	✦	SOT-23	NPN	40	80 @ .01A	✳	.04	.03	.023
38421CB	2N4401*	✦	TO-92	NPN	40	100 @ .15A	✳	.08	.06	.05
211511CB	2N4410	✦	TO-92	NPN	80	60 @ .01A	✳	.14	.10	.075
211490CB	2N4923	✦	TO-225	NPN	80	30 @ .50A	.45	.40	.32	.28
310666CB	2N5038	✦	TO-3	NPN	150	20 @ 12A	6.89	5.93	4.51	3.89
213971CB	MMBT5088	✦	SOT-23	NPN	30	300 @ .01A	✳	.12	.09	.035
62316CB	2N5088	✦	TO-92	NPN	30	300 @ .10A	✳	.05	.049	.036
214746CB	MMBT5089	✦	SOT-23	NPN	25	400 @ .01A	✳	.11	.08	.042
62324CB	2N5089	✦	TO-92	NPN	25	400 @ .10A	✳	.07	.048	.035
140373CB	2N5179	✦	TO-72	NPN	12	25 @ .003A	.59	.56	.512	.482
209251CB	2N5191	✦	TO-225	NPN	60	25 @ 1.5A	.41	.37	.30	.29
253569CB	2N5550	✦	TO-92	NPN	140	60 @ .010A	✳	.18	.16	.065
214771CB	MMBT5551	✦	SOT-23	NPN	140	80 @ .01A	✳	.045	.026	.023
210657CB	2N5551	✦	TO-92	NPN	160	80 @ .01A	✳	.059	.05	.043
209277CB	2N5657✪	✦	TO-126	NPN	350	30 @ .10A	.26	.24	.22	.20
254764CB	2N5886	✦	TO-3	NPN	80	20 @ 10A	2.29	2.09	2.02	1.73
194589CB	2N6045	✦	TO-220	NPN	100	1k @ 3A	.44	.40	.32	.28
194600CB	2N6059	✦	TO-3	NPN	100	750 @ 6A	1.59	1.55	1.36	1.12
255011CB	2N6292	✦	TO-220	NPN	70	30 @ 2A	.57	.52	.44	.39
213989CB	MMBT6427	✦	SOT-23	NPN	40	10k @ .01A	✳	.07	.05	.025
255003CB	2N6427	✦	TO-92	NPN	40	10k @ .01A	.21	.19	.15	.044
288817CB	MPS6521	✦	TO-92	NPN	25	300 @ 0.002A	✳	.13	.11	.07
288833CB	MPS6531	✦	TO-92	NPN	40	60 @ 0.01A	.21	.166	.076	.057
194618CB	2N6547	✦	TO-3	NPN	400	12 @ 5A	3.25	2.93	2.66	2.42
194626CB	2N6678	✦	TO-3	NPN	400	8 @ 15A	6.79	6.15	5.75	4.49
214025CB	MMPQ6700	✦	SOIC-16	NPN/PNP	40	70 @ .01A	~~$2.15~~ .79	.71	.68	.53
140134CB	2N6725	✦	TO-237	NPN	50	25k @ .20A	.55	.45	.36	.29
277771CB	MJE13005	✦	TO-220	NPN	400	8 @ 2A	.90	.77	.61	.41

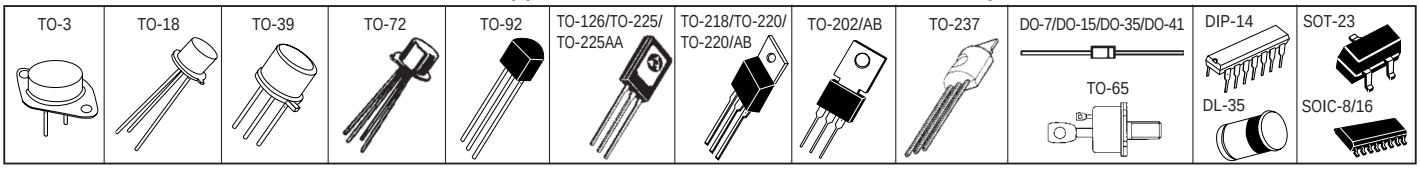
✦ Jameco Value Offering FSC = Fairchild Semiconductor ✪ Blue Part No. = Limited Quantity Available
*10 pcs. /**100 pcs. in Transistor cabinet kit, left

Order Anytime, Day or Night

Our friendly sales department will take your order 24x7x365 by phone, fax, web or email.



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



Manufacturer Cross Reference Table

Jameco Value Offering ✦

Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code	Manufacturer	Code
Analog Devices	ADI	Fairchild Semiconductor	FSC	Maxim Corporation	MAX	National Semiconductor	NSC	ST Micro	ST
Anachip	ANA	Linear Technology	LTC	Microchip	MCH	On Semi	ON	Texas Instruments	TI

PNP Bipolar Transistors

Package (see above)

✳ Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100	1000
33030CB	TIP30A⊕	✦	TO-220	PNP	60	15 @ 1A	$.71	$.56	$.40	$.247
179346CB	TIP30C⊕	FSC	TO-220	PNP	100	15 @ 1A	.39	.365	.32	.265
33064CB	TIP32A*⊕	✦	TO-220	PNP	60	10 @ 3A	.37	.335	.285	.23
181841CB	TIP32C⊕	✦	TO-220	PNP	100	10 @ 3A	.27	.24	.22	.20
33101CB	TIP42A⊕	✦	TO-220	PNP	60	15 @ 3A	.58	.49	.47	.31
139580CB	TIP42C⊕	✦	TO-220	PNP	100	15 @ 3A	.45	.407	.344	.247
179389CB	TIP42C⊕	FSC	TO-220	PNP	100	15 @ 3A	.45	.41	.34	.30
214906CB	MMBTA55⊕	✦	SOT-23	PNP	60	100 @ .01A	✳	.038	.032	.024
214914CB	MMBTA56⊕	✦	SOT-23	PNP	80	100 @ .01A	✳	.085	.073	.055
210606CB	MPSA56⊕	✦	TO-92	PNP	80	100 @ .10A	✳	.06	.042	.025
214922CB	MMBTA63⊕	✦	SOT-23	PNP	30	5k @ .01A	✳	.062	.05	.03
288921CB	MPSA63⊕	✦	TO-92	PNP	30	10k @ .1A	✳	.08	.058	.043
214931CB	MMBTA64⊕	✦	SOT-23	PNP	30	10k @ .01A	✳	.047	.04	.03
178554CB	MPSA92⊕	✦	TO-92	PNP	300	25 @ .003A	✳	.11	.075	.049
214957CB	MMBTA92⊕	✦	SOT-23	PNP	300	40 @ .01A	✳	.06	.059	.044
288462CB	TIP105⊕	✦	TO-220	PNP	60	1k @ 3A	.50	.45	.40	.30
32985CB	TIP106⊕	✦	TO-220	PNP	80	1k @ 3A ~~$.85~~	.80	.70	.65	.50
179258CB	TIP107⊕	FSC	TO-220	PNP	100	1k @ 3A	.55	.49	.40	.287
288526CB	TIP115⊕	✦	TO-220	PNP	60	1k @ 1A	.38	.324	.262	.186
288542CB	TIP117⊕	✦	TO-220	PNP	100	1k @ 1A	.45	.35	.30	.25
33013CB	TIP125⊕	✦	TO-220	PNP	60	1k @ 3A	.49	.45	.29	.26
288606CB	TIP126⊕	✦	TO-220	PNP	80	1k @ .5A	.49	.375	.285	.17
179320CB	TIP127⊕	FSC	TO-220	PNP	100	1k @ 3A	.45	.40	.32	.24
277886CB	MJE172⊕	✦	TO-225	PNP	80	30 @ .50A	.35	.322	.289	.179
277341CB	PN200⊕	✦	TO-92	PNP	45	100 @ .15A	✳	.07	.05	.04
211537CB	MJE350⊕	✦	TO-225	PNP	300	30 @ .05A	.41	.37	.33	.29
256073CB	BD438⊕	✦	TO-225	PNP	45	30 @ .01A	.54	.50	.44	.38
256065CB	BD682⊕	✦	TO-225	PNP	100	750 @ 1.5A	.54	.48	.39	.26
211545CB	MJE700⊕	✦	TO-225	PNP	60	750 @ 1.5A	.31	.27	.25	.185
214658CB	MMBT2369⊕	✦	SOT-23	PNP	25	60 @ .05A	✳	.05	.042	.031
194378CB	2N2905A⊕	✦	TO-39	PNP	60	100 @ .15A	.45	.43	.41	.30
94959CB	MMBT2907⊕	✦	SOT-23	PNP	40	100 @ .15A	.22	.068	.041	.026
26454CB	MPQ2907⊕	✦	DIP-14	PNP	40	100 @ .15A	2.19	1.85	1.35	.99
28644CB	PN2907**⊕	✦	TO-92	PNP	40	100 @ .15A	✳	.125	.09	.045
213954CB	MMBT2907A⊕	✦	SOT-23	PNP	60	100 @ .01A	✳	.05	.042	.031
214009CB	MMPQ2907A⊕	✦	SOIC-16	PNP	60	100 @ .01A ~~$1.19~~	.35	.32	.29	.28
211342CB	MPS2907A⊕	✦	TO-92	PNP	60	100 @ .15A	✳	.057	.051	.041
178520CB	PN2907A⊕	✦	TO-92	PNP	60	100 @ .15A	✳	.085	.077	.041
38279CB	2N2907A*⊕	✦	TO-18	PNP	60	100 @ .15A ~~$.36~~	.32	.30	.28	.23

*10 pcs. /**100 pcs. in Transistor cabinet kit, pg 44

Troubleshooting & Repairing Consumer Electronics without a Schematic



TAB Publishing Learn how to locate, test, and repair defective components in audio amplifiers, car radios, cassette decks, TV chassis, compact disc players, power supplies, AM/FM receivers and VCRs. (475 pages, 1997)

• Size: 7.4" x 9.3" • Weight: 1.1 lbs.

Part No.	Description	Price
136080CB	Troubleshooting & Repairing	$24.95

PNP Bipolar Transistors (Continued)

Package (see above)

✳ Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Desc.	V_{CEO}	Min. (h_{FE} @ Ic)	1	10	100	1000
211377CB	TIP2955⊕	✦	TO-218	PNP	60	5 @ .001A	$1.05	$.94	$.90	$.72
211502CB	MJ2955⊕	✦	TO-3	PNP	60	20 @ 4A	.69	.62	.56	.52
25831CB	MJE2955T⊕	✦	TO-220	PNP	60	20 @ 4A	.58	.53	.445	.305
62287CB	2N3905⊕	✦	TO-92	PNP	40	50 @ .01A	✳	.10	.074	.04
94975CB	MMBT3906⊕	✦	SOT-23	PNP	40	100 @ .01A	✳	.062	.037	.027
214017CB	MMPQ3906✪	✦	SOIC-16	PNP	40	75 @ .01A	1.37	.99	.31	.28
38375CB	2N3906**⊕	✦	TO-92	PNP	40	100 @ .01A	✳	.05	.04	.03
178618CB	2N3906⊕	FSC	TO-92	PNP	40	100 @ .01A	✳	.08	.042	.029
194466CB	2N4033⊕	✦	TO-39	PNP	80	100 @ .10A	.62	.56	.45	.33
214682CB	MMBT4126⊕	✦	SOT-23	PNP	25	60 @ .05A	✳	.04	.03	.02
214623CB	2N4126⊕	✦	TO-92	PNP	25	60 @ .05A	✳	.05	.04	.034
214720CB	MMBT4403⊕	✦	SOT-23	PNP	40	60 @ .001A	✳	.045	.04	.03
38447CB	2N4403*⊕	✦	TO-92	PNP	40	100 @ .15A	✳	.05	.049	.036
277755CB	MJ4502⊕	✦	TO-3	PNP	90	25 @ 7.5A	3.45	3.07	2.76	2.49
211465CB	2N4920⊕	✦	TO-225	PNP	80	30 @ .50A	.33	.307	.294	.279
213962CB	MMBT5087⊕	✦	SOT-23	PNP	50	250 @ .01A	✳	.05	.04	.02
210631CB	2N5087⊕	✦	TO-92	PNP	50	250 @ .10A	✳	.07	.032	.022
253930CB	2N5400⊕	✦	TO-92	PNP	120	40 @ .010A	✳	.09	.081	.06
214754CB	MMBT5401	✦	SOT-23	PNP	150	40 @ .001A	✳	.05	.04	.024
210649CB	2N5401⊕	✦	TO-92	PNP	150	60 @ .01A	✳	.066	.05	.037
253438CB	2N5884⊕	✦	TO-3	PNP	80	4 @ 25A	2.29	2.15	1.60	1.47
194571CB	2N6042⊕	✦	TO-220	PNP	100	1k @ 3A	.59	.47	.42	.35
194597CB	2N6052⊕	✦	TO-3	PNP	100	750 @ 6A ~~$1.89~~	1.75	1.69	1.64	1.47
214025CB	MMPQ6700⊕	✦	SOIC-16	NPN/PNP	40	70 @ .01A	.79	.71	.68	.53
277798CB	MJE15029⊕	✦	TO-220	PNP	120	40 @ 2A ~~$.81~~	.72	.67	.56	.51
277851CB	MJE15031⊕	✦	TO-220	PNP	150	40 @ 2A ~~$.89~~	.80	.73	.67	.61

✪ Blue Part No. = Limited Quantity Available *10 pcs./**100 pcs. in Transistor cabinet kit, pg 44

J-FETs

Package (see above)

✳ Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Desc.	BV_{GS} @ IG(μA)	I_{DSS} (mA) @ V_{DS}	1	10	100	1000
26403CB	MPF102*⊕	✦	TO-92	N-Ch	-25 @ -1	20 @ 15	✳	$.155	$.11	$.08
211393CB	J111⊕	✦	TO-92	N-Ch	-35 @ -1	20 @ 15	.20	.17	.12	.11
140450CB	J112⊕	✦	TO-92	N-Ch	-35 @ -1	5 @ 15	✳	.16	.12	.09
210622CB	2N3819⊕	✦	TO-92	N-Ch	-25 @ -1	20 @ 15	✳	.085	.059	.055
253948CB	2N5457⊕	✦	TO-92	N-Ch	-25 @ 10	5 @ 15	.20	.18	.126	.102
253921CB	2N5458⊕	✦	TO-92	N-Ch	-25 @ -0.1	—	.29	.23	.19	.14
253884CB	2N5484⊕	✦	TO-92	N-Ch	-25 @ -1	5 @ 15	✳	.26	.18	.10
253585CB	2N5485⊕	✦	TO-92	N-Ch	-25 @ -1	20 @ 15	.24	.22	.17	.13
253577CB	2N5486⊕	✦	TO-92	N-Ch	-25 @ -1	20 @ 15	✳	.23	.19	.14
253542CB	2N5639⊕	✦	TO-92	N-Ch	-30 @ -10	25 @ 20	.24	.22	.16	.081
38527CB	2N5951*⊕	✦	TO-92	N-Ch	-30 @ -1	13 @ 15	.69	.64	.44	.39
140142CB	J176⊕	✦	TO-92	P-Ch	30 @ 1	-2 @ -25	.33	.29	.21	.17
211414CB	J177⊕	✦	TO-92	P-Ch	30 @ 1	-20 @ -15	.43	.38	.29	.20
253913CB	2N5460⊕	✦	TO-92	P-Ch	40 @ 10	-5 @ -15	.37	.33	.27	.20
253905CB	2N5461⊕	✦	TO-92	P-Ch	40 @ 10	-9 @ -15	.32	.23	.20	.15
253892CB	2N5462⊕	✦	TO-92	P-Ch	40 @ 10	-16 @ -15	✳	.089	.081	.073

✦ Jameco Value Offering *10 pcs. in Transistor cabinet kit, pg 44

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

MOSFETs, Diodes & Heat Sinks

RoHS Compliant Product
RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

N-Channel and P-Channel MOSFETs

Package (see pg 45)

✳ Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Desc.	BV_{DS}	Min. On-St. DS Current	1	10	100	1000
256014CB	BSS138⊕	✦	SOT-23	N-Ch	50V	0.2A	✳	$.08	$.06	$.045
256031CB	BS170⊕	✦	TO-92	N-Ch	60V	—	✳	.10	.07	.06
209234CB	IRF510⊕	✦	TO-220	N-Ch	100V	5.6A	.69	.59	.55	.49
209226CB	IRF520⊕	✦	TO-220	N-Ch	100V	10.0A	.85	.59	.52	.31
209058CB	IRL520L⊕	✦	TO-220	N-Ch	100V	10.0A	~~.77~~ .56	.52	.46	.34
210500CB	IRF530⊕	✦	TO-220	N-Ch	100V	14.0A	.66	.57	.52	.49
210518CB	IRF540⊕	✦	TO-220	N-Ch	100V	27.0A	1.05	.95	.89	.75
210526CB	IRF620⊕	✦	TO-220	N-Ch	200V	6.0A	.45	.42	.35	.32
210534CB	IRF630⊕	✦	TO-220	N-Ch	200V	9.0A	~~.75~~ .61	.55	.49	.36
210542CB	IRF640⊕	✦	TO-220	N-Ch	200V	18.0A	.69	.65	.57	.49
210551CB	IRF730⊕	✦	TO-220	N-Ch	400V	5.5A	~~.89~~ .64	.62	.58	.43
210569CB	IRF740⊕	✦	TO-220	N-Ch	400V	10.0A	1.25	1.10	.89	.80
210577CB	IRF820⊕	✦	TO-220	N-Ch	500V	4.0A	~~.65~~ .48	.46	.43	.30
210585CB	IRF830⊕	✦	TO-220	N-Ch	500V	4.5A	~~.77~~ .65	.62	.59	.57
184719CB	IRF840⊕	✦	TO-220	N-Ch	500V	8.0A	~~1.49~~ 1.28	1.05	.88	.50
279460CB	VN2222LL⊕	✦	TO-92	N-Ch	60V	.75A	.23	.20	.16	.14
279486CB	VN2410L⊕	✦	TO-92	N-Ch	240V	1.0A	~~.45~~ .35	.30	.25	.22
279478CB	VN2406L⊕	✦	TO-92	N-Ch	240V	1.0A	.55	.44	.34	.21
618089CB	IRF3205⊕	✦	TO-220	N-Ch	55V	110A	2.39	1.75	1.45	1.26
618071CB	IRL3705⊕	✦	TO-220	N-Ch	55V	89A	1.37	1.13	.90	.84
255020CB	SI4410DY⊕	✦	SOIC-8	N-Ch	30V	20A	.97	.87	.65	.488
255038CB	SI4420DY⊕	✦	SOIC-8	N-Ch	30V	30A	1.99	1.88	1.62	1.21
255071CB	SI4884DY⊕	✦	SOIC-8	N-Ch	30V	40A	.72	.64	.53	.43
178669CB	2N7000*⊕	FSC	TO-92	N-Ch	60V	0.2A	.23	.13	.10	.095
119423CB	2N7000⊕	✦	TO-92	N-Ch	60V	0.3A	✳	.11	.10	.09
140169CB	2N7002⊕	✦	SOT-23	N-Ch	60V	0.5A	✳	.14	.115	.045
256057CB	BS250⊕	✦	TO-92	P-Ch	-45V	—	.37	.34	.30	.20
255046CB	SI4435DY⊕	✦	SOIC-8	P-Ch	-30V	-40A	~~.85~~ .79	.66	.48	.33
255054CB	SI4463DY⊕	✦	SOIC-8	P-Ch	-20V	-30A	1.65	1.58	1.44	1.31
255062CB	SI4467DY⊕	✦	SOIC-8	P-Ch	-12V	-20A	~~1.31~~ 1.15	1.10	1.05	.99
255089CB	SI4963DY⊕	✦	SOIC-8	Dual P-Ch	-20V	-20A	1.09	1.08	1.07	1.06

✦ Jameco Value Offering FSC = Fairchild Semiconductor *10 pcs. in Transistor cabinet kit, pg 44

Diodes

Package (see pg 45)

✳ Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Description	1	10	100	1000
140185CB	BAS16⊕	✦	SOT-23	70PRV, 1A (Switching)	✳	$.041	$.037	$.029
254852CB	BAT54⊕	✦	SOT-23	30PRV, 0.6A (Schottky)	✳	.12	.09	.067
254844CB	BAT54A⊕	✦	SOT-23	30PRV, 0.6A (Schottky)	✳	.05	.03	.022
254836CB	BAT54C⊕	✦	SOT-23	30PRV, 0.6A (Schottky)	✳	.18	.13	.097
254828CB	BAT54S⊕	✦	SOT-23	30PRV, 0.6A (Schottky)	.21	.075	.05	.04
140177CB	BAW56⊕	✦	SOT-23	70PRV, 0.25A (Switching)	✳	.079	.055	.032
140206CB	BAV70⊕	✦	SOT-23	70PRV, 0.25A (Switching)	✳	.059	.03	.022
140193CB	BAV99⊕	✦	SOT-23	70PRV, 1A (Switching)	✳	.05	.045	.038
35941CB	1N270*⊕	✦	DO-7	80PRV (Germanium)	.99	.86	.74	.61
313402CB	MMBD914⊕	✦	SOT-23	100 V_{RRM}, 0.20A (Switching)	✳	.057	.055	.031
179207CB	1N914⊕	VSH	DO-35	100PRV (Switching)	✳	.05	.025	.016
36311CB	1N914**⊕	✦	DO-35	75PRV,.01A (Switching)	✳	.022	.018	.014
312101CB	MBR1100⊕	✦	DO-41	100PRV, 1.0A (Schottky)	.26	.145	.096	.074
35967CB	1N3600*⊕	✦	DO-35	50PRV,.20A (Switching)	✳	.04	.029	.017
179215CB	1N4148⊕	VSH	DO-35	100PRV (Switching)	✳	.04	.03	.025
36038CB	1N4148**⊕	✦	DO-35	75PRV,.01A (Switching)	✳	.036	.027	.023
151247CB	1N4148T⊕	✦	DO-35	75PRV,.01A (Switching)	#	#	#	.009
94908CB	LL4148⊕	✦	DL-35	75PRV @ 50µA, 10mA	†	†	.021	.014
313411CB	MMBD4148⊕	✦	SOT-23	100 V_{RRM}, 0.20A (Gen. Purp.)	✳	.057	.055	.031

✦ Jameco Value Offering VSH = Vishay † Prepackaged: order in increments of 100
*10 pcs./**100 pcs. in Diode/Rectifier cabinet kit, pg 48 # Taped-ammo style: order in increments of 1000

We're Listening to Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

Heat Sinks

JAMECO ValuePro

Our TO-3 & TO-220 heat sinks are made from black anodized aluminum (except for P / N 107297CB which is light weight aluminum). They can be mounted horizontally or vertically depending on your applications. P / N 42622CB and 228005CB can be mounted vertically with solderable mounting tabs.


326633CB

326684CB

326756CB

326772CB

326596CB

326609CB

326617CB

326625CB

326641CB

326650CB

326692CB

326713CB

326721CB

326748CB

326764CB

Part No.	Cross Ref. No.	Type	Size (L"xW"xH")	1	10	100	1000
326668CB	577500B00000⊕	TO-126	—	$.33	$.295	$.26	$.25
326633CB	577304B00000⊕	TO-202	0.52x0.38x0.75	.24	.23	.22	.207
326684CB	566010B03400⊕	TO-218	1.00x0.51x1.22	.99	.89	.76	.65
326756CB	529801B02500⊕	TO-218	1.64x0.98x1.51	1.02	.98	.83	.71
326772CB	530101B00150⊕	TO-218	1.75x0.49x1.75	1.11	1.09	.94	.79
320320CB	BK-ALU-0034-001⊕	TO-220	1.80x1.50x0.40	.30	.285	.279	.227
326596CB	507302B00000⊕	TO-220	0.75x0.38x0.74	.25	.23	.20	.18
326609CB	577002B00000⊕	TO-220	0.51x0.25x0.75	.30	.23	.215	.20
326617CB	577102B00000⊕	TO-220	0.52x0.37x0.75	.33	.293	.264	.238
326625CB	577202B00000⊕	TO-220	0.51x0.49x0.75	.27	.23	.215	.20
326641CB	577002B04000⊕	TO-220	0.53x0.50x0.76	.30	.277	.255	.234
326650CB	577102B04000⊕	TO-220	0.52x0.38x0.75	.27	.261	.249	.234
326676CB	593002B03400⊕	TO-220	—	.52	.482	.416	.35
326692CB	531002B05200⊕	TO-220	1.38x0.50x1.00	.84	.75	.65	.495
326713CB	531102B02500⊕	TO-220	1.38x0.50x1.51	.86	.80	.68	.575
326721CB	531202B00000⊕	TO-220	1.38x0.50x2.00	.76	.72	.70	.60
326748CB	531202B02500⊕	TO-220	1.37x0.49x2.00	.89	.86	.74	.62
326764CB	531302B02500⊕	TO-220	1.38x0.50x2.50	.92	.90	.77	.65

Other Manufacturers — Great Deals


16512CB

151546CB

189835CB

70914CB

129242CB
0.200" tabs (3)

42622CB/228005CB

40504CB

158051CB

70658CB

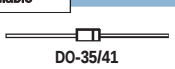
107297CB

Part No.	Cross Ref. No.	Type	Size (L"xW"xH")	1	10	100	1000
16512CB	DUDE4⊕	TO-3	4.80x1.50x1.30	$2.95	$2.75	$2.49	$2.25
151546CB	635-125B2⊕	TO-3	1.90x1.40x1.30	1.05	.92	.78	.70
189835CB	635-5B2⊕	TO-3	1.9x1.4x0.5	~~1.03~~ .87	.79	.70	.65
70914CB	THM6106⊕	TO-220	1.20x1.00x0.50	.35	.30	.28	.26
129242CB	THM6106⊕	TO-220	1.20x1.00x0.50	.49	.45	.39	.35
42622CB	563002B00000⊕	TO-220	1.2x1.0x0.5	.35	.30	.28	.26
228005CB	BK-T220⊕	TO-220	1.2x1.0x0.5	.35	.30	.23	.18
40504CB	291-H-36AB⊕	TO-220	0.9x1.0x0.4	.66	.48	.46	.44
158051CB	577102B00000⊕	TO-220	0.75x0.52x0.38	.39	.35	.29	.25
70658CB	THM6073⊕	TO-220	0.8x0.7x0.4	.29	.269	.26	.25
107297CB	PSC2-U (cup-style)⊕	TO-220	0.8x1.0x0.4	.49	.44	.40	.32

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Zeners, Triacs & Transient Voltage Suppressors

Zener Diodes



Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	V_{znom}	Pwr Dissipation	10	100	500	1000
36290CB	1N751A*	✦	DO-35	5.1V	0.5W	$.06	$.052	$.045	$.022
288665CB	MMSZ4697	✦	SOD-123	10V	0.5W	.108	.059	.05	.045
178765CB	1N4730A	✦	DO-41	3.9V	1W	.05	.035	.025	.022
178773CB	1N4732A	VSH	DO-41	4.7V	1W	.088	.069	.056	.044
178781CB	1N4733A	VSH	DO-41	5.1V	1W	.09	.06	.05	.04
36097CB	1N4733A*	✦	DO-41	5.1V	1W	.08	.065	.042	.026
178790CB	1N4734A✪	VSH	DO-41	5.6V	1W	.038	.035	.032	.029
36118CB	1N4734A	✦	DO-41	5.6V	1W	.073	.055	.05	.045
178802CB	1N4735A	VSH	DO-41	6.2V	1W	.049	.044	.04	.036
36126CB	1N4735A*	✦	DO-41	6.2V	1W	.07	.045	.041	.035
178811CB	1N4737A	✦	DO-41	7.5V	1W	.06	.039	.036	.032
178829CB	1N4738A	✦	DO-41	8.2V	1W	.06	.035	.03	.025
178837CB	1N4739A	✦	DO-41	9.1V	1W	.063	.042	.035	.032
178845CB	1N4740A	✦	DO-41	10V	1W	.03	.027	.024	.022
178853CB	1N4742A	VSH	DO-41	12V	1W	.03	.027	.025	.021
36169CB	1N4742A*	✦	DO-41	12V	1W	.07	.055	.045	.032
178861CB	1N4744A	VSH	DO-41	15V	1W	.03	.027	.025	.021
36185CB	1N4744A	✦	DO-41	15V	1W	.058	.035	.026	.021
178888CB	1N4747A	✦	DO-41	20V	1W	.023	.022	.018	.015
178896CB	1N4748A	✦	DO-41	22V	1W	.032	.029	.027	.024
178909CB	1N4749A	✦	DO-41	24V	1W	.042	.039	.035	.032
183450CB	1N4750A✪	✦	DO-41	27V	1W	.022	.02	.018	.016
179004CB	1N5225B	✦	DO-35	3.0V	0.5W	.041	.025	.015	.014
288702CB	MMSZ5226B	✦	SOD-123	3.3V	0.5W	.079	.067	.064	.045
179021CB	1N5229B✪	✦	DO-35	4.3V	0.5W	.023	.021	.019	.017
179039CB	1N5230B	✦	DO-35	4.7V	0.5W	.04	.032	.023	.02
179047CB	1N5231B	✦	DO-35	5.1V	0.5W	.04	.035	.03	.027
179055CB	1N5232B	✦	DO-35	5.6V	0.5W	.045	.028	.02	.018
179063CB	1N5234B	✦	DO-35	6.2V	0.5W	.029	.026	.025	.024
313390CB	MMBZ5241B	✦	SOT-23	11V	0.35W	.115	.069	.059	.042
179098CB	1N5242B	✦	DO-35	12V	0.5W	.032	.029	.026	.024
179135CB	1N5250B	✦	DO-35	20V	0.5W	.03	.026	.024	.02
288788CB	MMSZ5257	✦	SOD-123	33V	0.5W	.116	.05	.044	.033

✦ Jameco Value Offering VSH = Vishay *10 pcs. in Diode/rectifier cabinet kit, pg 48

✪ Blue Part No. = Limited Quantity Available

Diac/Triacs/Quadrac

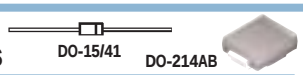
Package (see pg 45)

✳ Minimum order 10 pieces

Part No.	Product No.	Mfr.	Pkg.	Type	Rating	1	10	100
160098CB	HT-32	TEC	DO-35	Diac	27.37 V_{BO}, 2A	✳	$.13	$.12
31819CB	SC146B	✦	TO-220	Triac	200 V_{DRM}, 10A (2N6342)	1.29	1.15	.99
31827CB	SC146M	✦	TO-220	Triac	600 V_{DRM}, 10A (2N6344)	1.99	1.69	1.49
160178CB	L401E3	TEC	TO-92	Triac	400 V_{DRM}, 1A	$.65 .57	.52	.47
160194CB	Q401E3	TEC	TO-92	Triac	400 V_{DRM}, 1A	.59	.50	.45
220468CB	L4004F31	TEC	TO-220AB	Triac	400 V_{DRM}, 4A	.73	.70	.664
160186CB	L4004F51	TEC	TO-220AB	Triac	400 V_{DRM}, 4A	.85	.76	.69
220450CB	L4004L3	TEC	TO-220AB	Triac	400 V_{DRM}, 4A	1.09	.99	.90
160240CB	Q4004LT	TEC	TO-220AB	Quadrac	400 V_{DRM}, 4A	1.09	1.03	.97
160207CB	Q4008L4	TEC	TO-220AB	Triac	400 V_{DRM}, 8A	1.19	1.06	.97
220492CB	Q4008R4	TEC	TO-220AB	Triac	400 V_{DRM}, 8A	$1.05 .95	.86	.77
139336CB	Q4015L5	✦	TO-220AB	Triac	400 V_{DRM}, 15A	1.55	1.36	1.25
160143CB	Q4025L6	TEC	TO-220AB	Triac	400 V_{DRM}, 25A	$2.59 1.69	1.51	1.40
160215CB	Q6008L5	TEC	TO-220AB	Triac	600 V_{DRM}, 8A	1.09	.98	.88
160231CB	Q6015L5	TEC	TO-220AB	Triac	600 V_{DRM}, 15A	$1.79 1.59	1.44	1.32
220513CB	Q6025P5	TEC	TO-3	Triac	600 V_{DRM}, 25A	$7.59 6.45	5.81	5.29
220505CB	Q6025R6	TEC	TO-220AB	Triac	600 V_{DRM}, 25A	2.25	2.05	1.85
220521CB	Q6035P5	TEC	TO-3	Triac	600 V_{DRM}, 35A	$9.69 6.65	5.88	5.44
140425CB	2N6071A	✦	TO-225AA	Triac	200 V_{DRM}, 4A	.29	.27	.25

✦ Jameco Value Offering TEC = Teccor

Transient Voltage Suppressors



✳ Minimum order 10 pieces

Part No.	Product No.	Watts	Pkg.	Min. Brkdwn Volt. (V_{BR})	Stand-Off Voltage	1	10	100	1000
254879CB	SA6.0A	500	DO-15	6.67	6.0	$.24	$.22	$.17	$.128
256701CB	SA12A	500	DO-15	13.3	12.0	✳	.13	.12	.11
254991CB	SA12CA	500	DO-15	13.3	12.0	.22	.20	.16	.12
254983CB	SA13A	500	DO-15	14.4	13.0	✳	.14	.12	.09
254975CB	SA15A	500	DO-15	16.7	15.0	.26	.23	.19	.14
254967CB	SA20A	500	DO-15	22.2	20.0	.20	.18	.14	.105
254916CB	SA24A	500	DO-15	26.7	24.0	.25	.22	.20	.17
254908CB	SA28A	500	DO-15	31.1	28.0	.31	.28	.24	.16
254895CB	SA30A	500	DO-15	33.3	30.0	.31	.28	.22	.165
254887CB	SA30CA	500	DO-15	33.3	30.0	.46	.41	.33	.21
256663CB	P6KE6.8A	600	DO-15	6.45	5.8	✳	.14	.13	.096
256647CB	P6KE7.5A	600	DO-15	7.13	6.4	✳	.19	.16	.12
256639CB	P6KE9.1A	600	DO-15	8.65	7.8	.27	.255	.23	.15
288999CB	P6KE10A	600	DO-15	9.5	8.55	.30	.28	.23	.17
288981CB	P6KE10CA	600	DO-15	9.5	8.55	✳	.25	.20	.15
289035CB	P6KE12A	600	DO-15	11.4	10.2	.22	.19	.17	.127
289043CB	P6KE12CA	600	DO-15	11.4	10.2	✳	.23	.21	.157
255943CB	P6KE16A	600	DO-15	15.2	13.6	✳	.14	.13	.097
255935CB	P6KE16CA	600	DO-15	15.2	13.6	✳	.16	.13	.097
255919CB	P6KE18A	600	DO-15	17.1	15.3	.22	.19	.17	.16
255901CB	P6KE18CA	600	DO-15	17.1	15.3	.23	.22	.20	.136
255863CB	P6KE20A	600	DO-15	19.0	17.1	✳	.12	.11	.083
272102CB	P6KE22A	600	DO-15	20.9	18.8	✳	.125	.109	.103
255855CB	P6KE24A	600	DO-15	22.8	20.5	.23	.22	.20	.135
255847CB	P6KE24CA	600	DO-15	22.8	20.5	✳	.17	.15	.12
255821CB	P6KE27A	600	DO-15	25.7	23.1	.31	.28	.22	.165
255812CB	P6KE27CA	600	DO-15	25.7	23.1	.26	.23	.21	.155
255804CB	P6KE30A	600	DO-15	28.5	25.6	$.30 .27	.25	.21	.14
255791CB	P6KE30CA	600	DO-15	28.5	25.6	.28	.25	.20	.15
255783CB	P6KE33A	600	DO-15	31.4	28.2	.25	.22	.18	.135
255775CB	P6KE33CA	600	DO-15	31.4	28.2	.25	.22	.18	.135
255767CB	P6KE36A	600	DO-15	34.2	30.8	.24	.21	.19	.14
255759CB	P6KE39A	600	DO-15	37.1	33.3	$.26 .20	.17	.14	.10
255741CB	P6KE39CA	600	DO-15	37.1	33.3	✳	.17	.16	.12
256698CB	P6KE47A	600	DO-15	44.7	40.2	.21	.19	.17	.11
256680CB	P6KE47CA	600	DO-15	44.7	40.2	✳	.17	.16	.12
256671CB	P6KE51A	600	DO-15	48.5	43.6	.22	.19	.17	.13
256655CB	P6KE68A	600	DO-15	64.6	58.1	.26	.23	.19	.14
256621CB	P6KE91A	600	DO-15	86.5	77.8	.26	.23	.19	.14
288956CB	P6KE100A	600	DO-15	95	85.5	✳	.17	.13	.124
316849CB	P6KE100CA	600	DO-15	95	85.5	.42	.34	.185	.18
255951CB	P6KE150CA	600	DO-15	143.0	128.0	.21	.19	.15	.11
255927CB	P6KE180A	600	DO-15	171.0	154.0	.26	.23	.19	.14
255871CB	P6KE200A	600	DO-15	190.0	171.0	.38	.34	.27	.203
255839CB	P6KE250CA	600	DO-15	237.0	214.0	$.26 .23	.20	.16	.12
313146CB	SMCJ5.0A	1500	DO-214AB	6.4	5	1.04	.82	.468	.332
313120CB	SMCJ5.0CA	1500	DO-214AB	6.4	5	.61	.506	.495	.483
313103CB	SMCJ6.0A	1500	DO-214AB	6.67	6	.73	.56	.55	.54
313218CB	SMCJ10A	1500	DO-214AB	11.1	10	.76	.61	.58	.552
313234CB	SMCJ10CA	1500	DO-214AB	11.1	10	.61	.51	.465	.442
313200CB	SMCJ20A	1500	DO-214AB	22.2	20	.99	.82	.75	.72
313197CB	SMCJ20CA	1500	DO-214AB	22.2	20	.62	.515	.48	.46
313171CB	SMCJ24A	1500	DO-214AB	26.7	24	.73	.60	.57	.54
313189CB	SMCJ24CA	1500	DO-214AB	26.7	24	.76	.58	.302	.255
313162CB	SMCJ36A	1500	DO-214AB	40	36	.45	.365	.302	.255
313154CB	SMCJ36CA	1500	DO-214AB	40	36	1.08	.87	.83	.79
313082CB	SMCJ58CA	1500	DO-214AB	64.4	58	1.09	.87	.83	.79
618118CB	1N5908	1500	DO-41	6.0	—	.57	.51	.298	.268

Low Price Guarantee

Have you found a lower print-advertised price? We'll beat that price by 10% right down to our cost.

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Rectifiers

RoHS Compliant Product
RoHS Also Available

Color Code Legend: New | Sale | Lower$ | QtySave

Silicon Controlled Rectifiers (SCRs)

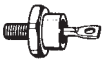
Package (see pg 45)

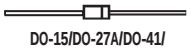
✳ Minimum order 10 pieces

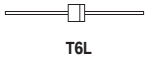
Part No.	Product No.	Mfr.	Pkg.	Rating	1	10	100	1000
14859CB	C38M	✦	TO-65	600 PRV, 35A (2N3899)	$6.89	$6.19	$5.59	$5.05
14736CB	C106B1*	✦	TO-202	200 PRV, 4A (2N6239)†	.67	.54	.46	.40
14752CB	C122B	✦	TO-220	200 PRV, 8A†	~~$.99~~ .73	.66	.63	.52
14761CB	C122M	✦	TO-220	600 PRV, 8A†	1.35	1.25	1.05	.69
220484CB	EC103B	✦	TO-92	200 VDRM, 0.8A	.26	.23	.21	.18
220530CB	T106B1	✦	TO-202AB	200 VDRM, 4A	.58	.49	.45	.37
160119CB	T106D1	✦	TO-202AB	400 VDRM, 4A	.59	.51	.46	.36
119802CB	2N5060	✦	TO-92	25 PRV, 0.8A	✳	.19	.15	.12
211422CB	2N5061	✦	TO-92	60 PRV, 0.8A	✳	.14	.13	.11
120070CB	2N5062	✦	TO-92	100 PRV, 0.8A	✳	.13	.12	.11
211431CB	2N5064	✦	TO-92	200 PRV, 0.8A	✳	.18	.16	.14
140417CB	2N6507	✦	TO-220AB	400 PRV, 25A	~~$1.05~~ .83	.75	.63	.56
220548CB	S4025L	TEC	TO-220AB	400 VDRM, 25A	~~$1.65~~ 1.49	1.42	1.34	1.29
160135CB	S6025L	TEC	TO-220AB	600 VDRM, 25A	1.75	1.59	1.43	1.22

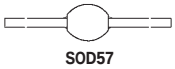
†Isolated ✦ Jameco Value Offering TEC = Teccor *10 pcs. in Diode/Rectifier cabinet kit, below

Rectifiers


DO-5


DO-15/DO-27A/DO-41/ D0-201AD/D0-204AL


T6L


SOD57

✳ Minimum order 10 pieces

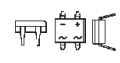
Part No.	Product No.	Mfr.	Pkg.	Rating	1	10	100	1000
177754CB	T6A05L	✦	T6L	50 PIV, 6A	$.36	$.32	$.288	$.265
177762CB	T6A10L	✦	T6L	100 PIV, 6A	.75	.65	.55	.45
177818CB	T6A100L	✦	T6L	1000 PIV, 6A	.80	.72	.65	.49
618100CB	MBR745	✦	TO-220	35 VRRM, 7.5A	.56	.49	.437	.393
301444CB	MBR1060	✦	TO-220	60 VRRM,10A	.63	.56	.48	.43
35924CB	1N1188	✦	DO-5	400 PRV, 35A	4.49	4.45	4.14	3.28
645706CB	MBR1645	✦	TO-220	45 VRRM, 16A	.85	.74	.63	.56
618097CB	MBR2535CR	✦	TO-220	35 VRRM, 30A	.85	.78	.71	.67
35975CB	1N4001*	✦	DO-41	50 PRV, 1A	✳	.04	.028	.017
76961CB	1N4002	✦	DO-41	100 PRV, 1A	✳	.04	.028	.017
76970CB	1N4003	✦	DO-41	200 PRV, 1A	✳	.04	.028	.017
35991CB	1N4004**	✦	DO-41	400 PRV, 1A	✳	.04	.028	.017
76988CB	1N4005	✦	DO-41	600 PRV, 1A	✳	.04	.028	.017
76996CB	1N4006	✦	DO-41	800 PRV, 1A	✳	.04	.028	.017
36011CB	1N4007*	✦	DO-41	1000 PRV, 1A	✳	.04	.03	.021
227846CB	1N5059	✦	SOD57	200 VR, 2A	✳	.10	.06	.054
227854CB	1N5060	✦	SOD57	400 VR, 2A	✳	.08	.07	.055
227862CB	1N5061	✦	SOD57	600 VR, 2A	✳	.09	.08	.06
227871CB	1N5062	✦	SOD57	800 VR, 2A	✳	.26	.24	.20
77075CB	1N5400	✦	DO-27A	50 PRV, 3A	✳	.10	.098	.074
36249CB	1N5401	✦	DO-27A	100 PIV, 3A	✳	.09	.076	.051
77083CB	1N5402	✦	DO-27A	200 PRV, 3A	✳	.10	.075	.056
36265CB	1N5404*	✦	DO-27A	400 PRV, 3A	✳	.10	.09	.067
36273CB	1N5408*	✦	DO-27A	1000 PRV, 3A	✳	.15	.11	.08
177949CB	1N5817	✦	DO-204AL	20 PIV, 1A	✳	.12	.09	.078
177957CB	1N5818	✦	DO-204AL	30 PIV, 1A	✳	.07	.058	.052
177965CB	1N5819	✦	DO-204AL	40 PIV, 1A	✳	.10	.085	.075
177973CB	1N5820	✦	DO-201AD	20 PIV, 3A	✳	.14	.125	.094
177981CB	1N5821	✦	DO-201AD	30 PIV, 3A	✳	.16	.13	.11
177990CB	1N5822	✦	DO-201AD	40 PIV, 3A	.21	.18	.168	.134
618062CB	40CPQ060	✦	TO-247AC	60 VRRM, 40A (Schottky)	2.25	1.45	1.32	1.22

✦ Jameco Value Offering *10 pcs./ **100 pcs. in Diode/Rectifier cabinet kit, right

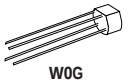
Over 99% of Our Products Are In Stock

Place your order by 6PM EST for same business day shipment.

Bridge Rectifiers


DF/DIP-4/SDIP-4


KBP


W0G


W0M


BR8D


GBPC


MB35


TB35


179-01

Part No.	Product No.	Mfr.	Pkg.†	Rating	1	10	100	1000
178001CB	DF005M	✦	DF	50 PIV, 1A	$.35	$.30	$.22	$.13
255960CB	DF005S	✦	SDIP-4	50 PIV, 1A	.25	.23	.21	.16
103000CB	DF01M	✦	DF	100 PIV, 1A	.30	.26	.21	.17
103042CB	DF02M	✦	DF	200 PIV, 1A	.35	.30	.22	.13
102971CB	DF04M	✦	DF	400 PIV, 1A	~~$.45~~ .37	.32	.23	.17
103034CB	DF06M	✦	DF	600 PIV, 1A	.40	.31	.27	.20
103026CB	DF10M	✦	DF	1000 PIV, 1A	.30	.27	.23	.15
256559CB	DF10S	✦	SDIP-4	1000 PIV, 1A	.32	.29	.23	.17
256604CB	DF01S	✦	SDIP-4	100 PIV, 1.5A	~~$.29~~ .23	.22	.21	.20
256591CB	DF02S	✦	SDIP-4	200 PIV, 1.5A	.31	.28	.22	.165
256583CB	DF04S	✦	SDIP-4	400 PIV, 1.5A	.24	.22	.17	.13
256575CB	DF08M	✦	DIP-4	800 PIV, 1.5A	.35	.30	.25	.18
256567CB	DF08S	✦	SDIP-4	800 PIV, 1.5A	~~$.32~~ .26	.24	.22	.165
145429CB	KBP02M	✦	KBP	200 PIV, 1.5A	.40	.35	.29	.19
119562CB	KBP04M*	✦	KBP	400 PIV, 1.5A	.48	.45	.35	.25
279494CB	W005G	✦	W0G	50 PIV, 1.5A	.38	.32	.27	.19
103018CB	W02G	✦	W0G	200 PIV, 1.5A	.47	.39	.34	.21
102980CB	W04G	✦	W0G	400 PIV, 1.5A	.41	.37	.33	.245
102998CB	W06G	✦	W0G	600 PIV, 1.5A	.43	.41	.33	.245
179469CB	W08G	✦	W0G	800 PIV, 1.5A	.35	.32	.26	.18
279515CB	W10G	✦	W0G	1000 PIV, 1.5A	.42	.40	.33	.22
178124CB	W005M	✦	W0M	50 PIV, 1.5A	~~$.38~~ .29	.24	.19	.13
178132CB	W01M	✦	W0M	100 PIV, 1.5A	.36	.27	.20	.17
178141CB	W02M	✦	W0M	200 PIV, 1.5A	.38	.33	.28	.19
178175CB	W08M	✦	W0M	800 PIV, 1.5A	.35	.29	.257	.16
178183CB	BR805D	✦	BR8D	50 PIV, 2A	.55	.49	.39	.35
178204CB	BR82D	✦	BR8D	200 PIV, 2A	.85	.77	.69	.62
178247CB	BR810D	✦	BR8D	1000 PIV, 2A	.59	.49	.39	.35
253260CB	2KBP06M	✦	KBP	600 PIV, 2A	.48	.42	.37	.25
253286CB	2KBP10M	✦	KBP	1000 PIV, 2A	.40	.35	.29	.24
179477CB	GBPC25-01	✦	GBPC	100 PIV, 25A	2.49	2.05	1.65	1.43
179485CB	GBPC25-02	✦	GBPC	200 PIV, 25A	3.25	2.69	2.25	1.65
178280CB	MB254	✦	MB35	400 PIV, 25A	2.35	2.10	1.90	1.70
178415CB	MB354	✦	MB35400 VRRM, 12A		2.95	2.65	2.39	2.15
178335CB	TB252	✦	TB35	200 PIV, 25A	2.09	1.85	1.69	1.50
25574CB	MDA990-3	✦	179-01	200 PIV, 30A	3.99	3.45	2.99	1.85
25591CB	MDA990-6	✦	179-01	600 PIV, 30A	4.59	4.29	3.99	3.59
299882CB	GBPC1204	✦	GBPC400 VRRM, 12A		2.89	2.52	1.95	1.15
299874CB	GBPC1206	✦	GBPC600 VRRM, 12A		3.15	2.67	1.95	1.46
299866CB	GBPC1206W	✦	GBPC-W600 VRRM, 12A		1.89	1.55	1.10	1.04
178431CB	MB358	✦	MB35	800 PIV, 35A	3.59	3.29	2.75	1.85
178503CB	TB3510	✦	TB35	1000 PIV, 35A	2.99	2.49	2.09	1.96

✦ Jameco Value Offering *10 pcs. in Diode/Rectifier cabinet kit, below

† DF/KBP/W0G/W0M/179-01 – plastic case; GBPC/TB35 – plastic case, metal base; MB35 – metal case

Diode/Rectifier Assortment Cabinet Kit

420 pcs. (15 types) Diodes, Zener Diodes, Switching and Silicon Rectifiers

Includes:

SAVE 17%

20 drawer component cabinet (319599CB),
20 clear plastic drawers (319601CB),
20 clear dividers (319610CB), pg 295 and
30 adhesive labels for drawers to identify parts in kit



10 each: 1N270, 1N751A, 1N3600, 1N4001, 1N4007, 1N4733A, 1N4735A, 1N4742A, 1N5404, 1N5408, C106B1, KBP04M

100 each: 1N914, 1N4004, 1N4148

Part No.	Description	Wt. (lbs.)	1	10
82587CB	420 pcs. (15 types) diode kit	5.0	$39.95	$35.95
130366CB	Refill for 82587CB (420 pcs.)	0.3	25.95	22.30

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Optoisolators


DIP-4


DIP-6


DIP-8


DIP-16


TO-18

✳ Minimum order 10 pieces

Part No.	Cross Ref.	Pkg.	Description	1	10	100
40985CB	4N25 ⊕	DIP-6	Diode, NPN phototransistor	$.22	$.18	$.17
41005CB	4N26 ⊕	DIP-6	Diode, NPN phototransistor	.25	.22	.18
144240CB	4N27 ⊕	DIP-6	Diode, NPN phototransistor	.24	.20	.15
41013CB	4N28 ⊕	DIP-6	Diode, NPN phototransistor	.46	.372	.28
277421CB	4N29 ⊕	DIP-6	General purpose photodarlington	.25	.21	.158
277456CB	4N30 ⊕	DIP-6	General purpose photodarlington	.26	.216	.185
320565CB	4N31 ⊕	DIP-6	General purpose photodarlington	.30	.273	.235
41021CB	4N32 ⊕	DIP-6	Diode, NPN photodarlington	.26	.24	.21
41030CB	4N33 ⊕	DIP-6	Diode, NPN photodarlington	.25	.24	.22
41056CB	4N35 ⊕	DIP-6	Diode, NPN phototransistor	.24	.216	.213
277464CB	4N36 ⊕	DIP-6	General purpose phototransistor ✳	.17	.151	
320371CB	4N37 ⊕	DIP-6	General purpose phototransistor	.27	.264	.227
277481CB	4N38 ⊕	DIP-6	High-voltage phototransistor	.51	.43	.323
277499CB	4N39 ⊕	DIP-6	Photo SCR optocoupler	.86	.78	.70
277501CB	4N40 ⊕	DIP-6	Photo SCR optocoupler	.93	.84	.76
277510CB	6N135 ⊕	DIP-8	High-speed transistor optocoupler	.54	.46	.345
42471CB	6N136 ⊕	DIP-8	High speed transistor optocoupler	.52	.473	.415
113911CB	6N137 ⊕	DIP-8	High-speed logic optocoupler ~~$0.71~~	.59	.50	.42
42489CB	6N138 ⊕	DIP-8	Low input curr., hi-gain split darlington	.73	.62	.56
113929CB	6N139 ⊕	DIP-8	High-speed, high-gain darlington	.75	.64	.51
320389CB	CNY17-1 ⊕	DIP-6	High BVceo phototransistor	.26	.225	.153
320397CB	CNY17-2 ⊕	DIP-6	High BVceo phototransistor	.27	.191	.151
320400CB	CNY17-3 ⊕	DIP-6	High BVceo phototransistor	.26	.191	.153
320418CB	CNY17-4 ⊕	DIP-6	High BVceo phototransistor	.26	.191	.153
277561CB	H11A1 ⊕	DIP-6	General purpose phototransistor	.27	.22	.20
18825CB	H11AA1 ⊕	DIP-6	Dual infrared diode, NPN phototransistor	.51	.383	.291
277587CB	H11A2 ⊕	DIP-6	General purpose phototransistor	.30	.21	.158
320434CB	H11AA2	DIP-6	AC input phototransistor optocoupler	.35	.286	.26
277595CB	H11A3 ⊕	DIP-6	General purpose phototransistor	.34	.26	.21
320442CB	H11AA3 ⊕	DIP-6	AC input phototransistor optocoupler	.34	.274	.249
281201CB	H11A4 ⊕	DIP-6	General purpose phototransistor	.34	.30	.23
320451CB	H11AA4 ⊕	DIP-6	AC input phototransistor optocoupler	.52	.50	.34
320426CB	H11A5 ⊕	DIP-6	Genral purpose phototransistor	.30	.183	.168
320573CB	H11B1 ⊕	DIP-6	Photodarlington optocoupler	.45	.344	.261
320581CB	H11B2 ⊕	DIP-6	Photodarlington optocoupler	.45	.344	.261
320602CB	H11B3 ⊕	DIP-6	Photodarlington optocoupler	.48	.432	.403
114016CB	H11C1 ⊕	DIP-6	Photo SCR optocoupler	.79	.71	.60
18833CB	H11C3 ⊕	DIP-6	Photo SCR optocoupler	.89	.76	.57
114008CB	H11C4 ⊕	DIP-6	Photo SCR optocoupler ~~$0.83~~	.78	.66	.495
277608CB	H11C6 ⊕	DIP-6	Photo SCR optocoupler	.89	.75	.61
320493CB	H11D1 ⊕	DIP-6	High voltage phototransistor	.57	.382	.361
320514CB	H11D2 ⊕	DIP-6	High voltage phototransistor	.76	.58	.438
320522CB	H11D3 ⊕	DIP-6	High voltage phototransistor	.76	.58	.44
113996CB	H11F1 ⊕	DIP-6	Isolated FET	1.79	1.52	1.16
320186CB	H11F2 ⊕	DIP-6	Photo FET optocouplers	1.75	1.54	1.18
320194CB	H11F3 ⊕	DIP-6	Photo FET optocouplers	1.59	1.30	1.25
277712CB	H11G1 ⊕	DIP-6	High-voltage photodarlington	.51	.47	.39
277721CB	H11G2 ⊕	DIP-6	High-voltage photodarlington	.67	.55	.42
277747CB	H11G3 ⊕	DIP-6	High-voltage photodarlington	.62	.52	.40
113988CB	H11L1 ⊕	DIP-6	Schmitt trigger output photocoupler	1.09	.75	.61
320207CB	H11L2 ⊕	DIP-6	Photo FET optocouplers	.71	.59	.48
320215CB	H11L3 ⊕	DIP-6	Photo FET optocouplers	.74	.62	.50
320637CB	H11N1 ⊕	DIP-6	High speed logic optocoupler	2.05	1.65	1.49
320645CB	H11N2 ⊕	DIP-6	High speed logic optocoupler	1.89	1.55	1.39
138069CB	ISP817-3 ⊕	DIP-4	Low power transistor output	.99	.84	.63
114083CB	ISQ203 ⊕	DIP-16	Quad channel NPN phototransistor	2.95	2.66	1.99
320477CB	MCT2 ⊕	DIP-6	Phototransistor optocoupler	.42	.316	.24
320485CB	MCT4 ⊕	TO-18	Hermetic phototransistor optocoupler	7.75	6.25	5.69
24918CB	MCT6 ⊕	DIP-8	Dual channel NPN phototransistor	.56	.52	.47
26278CB	MOC3010 ⊕	DIP-6	Bilateral triac driver	.56	.52	.345
95020CB	MOC3011 ⊕	DIP-6	Bilateral triac driver	.68	.51	.388

Optoisolators (Continued)

Part No.	Cross Ref.	Pkg.	Description	1	10	100
277763CB	MOC3012 ⊕	DIP-6	Random phase triac driver	$.76	$.58	$.44
277780CB	MOC3020 ⊕	DIP-6	Random phase triac driver	.54	.41	.31
95038CB	MOC3021 ⊕	DIP-6	Bilateral triac driver	.46	.39	.29
277801CB	MOC3022 ⊕	DIP-6	Random phase triac driver	.49	.45	.38
277819CB	MOC3023 ⊕	DIP-6	Random phase triac driver	.51	.47	.39
26294CB	MOC3031 ⊕	DIP-6	Zero crossing triac driver	.72	.64	.58
113953CB	MOC3032 ⊕	DIP-6	Zero crossing triac driver	.61	.52	.47
277827CB	MOC3033 ⊕	DIP-6	Zero crossing triac driver	.74	.66	.60
277835CB	MOC3041 ⊕	DIP-6	Zero crossing triac driver	.69	.61	.52
113961CB	MOC3042 ⊕	DIP-6	Zero crossing triac driver	.65	.55	.413
277843CB	MOC3043 ⊕	DIP-6	Zero crossing triac driver	.59	.53	.46
277860CB	MOC3051 ⊕	DIP-6	Random phase triac driver	.73	.66	.60
277894CB	MOC3052 ⊕	DIP-6	Random phase triac driver	.87	.82	.79
277915CB	MOC3061 ⊕	DIP-6	Zero crossing phototriac driver	.64	.59	.50
277931CB	MOC3062 ⊕	DIP-6	Zero crossing phototriac driver	.80	.68	.55
133874CB	MOC3063 ⊕	DIP-6	Zero crossing triac driver ~~$1.25~~	.63	.54	.42
320629CB	MOC3082 ⊕	DIP-6	Zero crossing optoisolator	1.20	1.01	.88
320611CB	MOC3083 ⊕	DIP-6	Zero crossing optoisolator	.98	.79	.73
320653CB	PS2501-1 ⊕	DIP-4	Single transistor photocoupler	.20	.19	.185
320661CB	PS2501-2 ⊕	DIP-8	Single transistor photocoupler	.51	.459	.418
160338CB	PS2501-4 ⊕	DIP-16	Photo darlington & transistor/detector	1.09	1.02	.88
320688CB	PS2502-1 ⊕	DIP-4	Darlington photocoupler	.41	.39	.353
320696CB	PS2502-2 ⊕	DIP-8	Darlington photocoupler	1.18	.96	.87
160362CB	PS2502-4 ⊕	DIP-16	Photo darlington & transistor/detector	1.75	1.61	1.39
320709CB	PS2505-1 ⊕	DIP-4	High isolation voltage photocoupler	.33	.32	.302
320717CB	PS2505-2 ⊕	DIP-8	High isolation voltage photocoupler	.79	.76	.69
320725CB	PS2505-4 ⊕	DIP-16	High isolation voltage photocoupler	1.29	1.18	1.06
320750CB	PS2506-1 ⊕	DIP-4	High isolation voltage photocoupler	.54	.51	.462
320768CB	PS2506-2 ⊕	DIP-8	High isolation voltage photocoupler	1.09	1.01	.92
320776CB	PS2506-4 ⊕	DIP-16	High isolation voltage photocoupler	2.15	1.83	1.67
320784CB	PS2532-1 ⊕	DIP-4	High collector to high emitter volt. photocoupler	.54	.486	.437
320792CB	PS2532-2 ⊕	DIP-8	High collector to high emitter volt. photocoupler	1.19	1.14	1.04
320805CB	PS2532-4 ⊕	DIP-16	High collector to high emitter volt. photocoupler	2.25	1.95	1.75
320813CB	PS2561-1 ⊕	DIP-4	High isolation voltage photocoupler	.23	.22	.21
320821CB	PS2561-2 ⊕	DIP-8	High isolation voltage photocoupler	.75	.71	.68
320830CB	PS2561-4 ⊕	DIP-16	High isolation voltage photocoupler	2.29	2.05	1.85

Slotted Optical Switches


4-pin w/ tab


4-pin w/o tab

Part No.	Cross Ref.	Pkg.	Description	1	10	100
114091CB	H21A1 ⊕	4-pin w/ tab	Single channel slotted interrupter	$.69	$.64	$.554
278011CB	H21A2 ⊕	4-pin w/ tab	Phototransistor optical interrupter	.99	.71	.58
320901CB	H21A3 ⊕	4-pin w/ tab	Phototransistor optical switch	.70	.61	.47
320928CB	H21A6 ⊕	4-pin w/ tab	Phototransistor optical switch	.79	.64	.58
278070CB	H21B1 ⊕	4-pin w/ tab	Photodarlington optical interrupter	.87	.78	.71
278088CB	H21B2 ⊕	4-pin w/ tab	Photodarlington optical interrupter	1.09	.79	.74
278096CB	H21B3 ⊕	4-pin w/ tab	Photodarlington optical interrupter	1.35	1.19	1.09
321007CB	H21B6 ⊕	4-pin w/ tab	Photodarlington optical switch	.92	.75	.68
114104CB	H22A1 ⊕	4-pin w/o tab	Slotted optical switch	.61	.51	.462
278029CB	H22A2 ⊕	4-pin w/o tab	Slotted optical switch	1.15	1.05	.93
278045CB	H22A3 ⊕	4-pin w/o tab	Slotted optical switch	.74	.623	.504
278109CB	H22B1 ⊕	4-pin w/o tab	Photodarlington optical interrupter	.75	.68	.56
278117CB	H22B2 ⊕	4-pin w/o tab	Photodarlington optical interrupter	.87	.71	.64
196058CB	ITR-8105 ⊕	4-pin w/o tab	Slotted optical switch	.48	.42	.38
321120CB	MOC70P1 ⊕	4-pin w/o tab	Phototransistor optical switch	.90	.73	.66
321138CB	QVE11233 ⊕	4-pin w/o tab	Slotted optical switch	.64	.52	.47

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 305.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Standard-Output LEDs

RoHS Compliant Product
RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

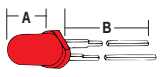
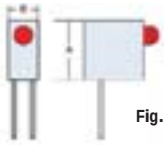


Fig. 1


Fig. 2

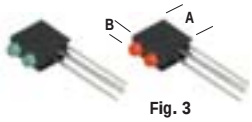


Fig. 3

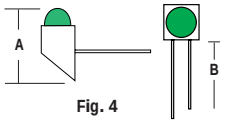


Fig. 4



Fig. 5


Fig. 6

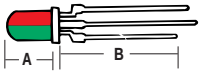


Fig. 7

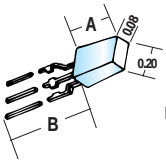


Fig. 8


Fig. 9

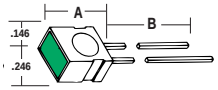


Fig. 10

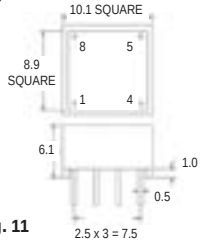


Fig. 11

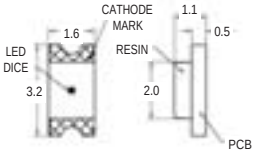


Fig. 12


Fig. 13


Fig. 14


Fig. 15

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JAMECO ValuePro

Standard-Output LEDs

Call for OEM PRICING – we carry major manufacturers.

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
333219CB	LY12340 ⊕	1	Yellow	Yellow diffused	T1	0.119/3	0.13	0.98	0.10	1.7	6.5	585	112	✳	$.08	$.063	$.06
334211CB	LA16BY ⊕	2	Yellow	Yellow diffused PCB mount indicators	T1	0.119/3	0.29	0.18	0.10	1.7	12	585	50	.30	.284	.146	.102
34657CB	LY2040* ⊕	1	Yellow	Yellow diffused (XC209Y)	T1	0.119/3	0.16	0.68	0.08	2.3	15	585	36	✳	.13	.11	.075
333884CB	UT6331-41 ⊕	1	Yellow	Yellow diffused	T1	0.119/3	0.17	0.98	0.10	2.1	24	589	55	✳	.088	.069	.049
333294CB	LVY2643-1 ⊕	1	Yellow	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	350	595	40	✳	.16	.152	.144
206480CB	LVY2041 ⊕	1	Yellow	Yellow transparent	T1	0.119/3	0.17	0.69	0.08	2.3	450	595	30	✳	.14	.12	.10
235424CB	LA45B/2I ⊕	3	Red	Red diffused (dual)	T1	0.119/3	0.40	0.18	0.10	1.7	12	630	50	.99	.89	.71	.53
136282CB	LA44B/2I ⊕	3	Orange	Red diffused (dual)	T1	0.119/3	0.38	0.17	0.10	1.7	12	635	50	.49	.45	.39	.29
333868CB	UT6341R-41 ⊕	1	Hi-eff Red	Orange diffused	T1	0.119/3	0.17	1.00	0.10	2.1	35	630	55	✳	.098	.06	.045
333366CB	LHRF2643-1 ⊕	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	300	630	40	✳	.174	.152	.144
333198CB	LE12340 ⊕	1	Hi-eff Red	Orange diffused	T1	0.119/3	0.13	0.98	0.10	1.7	6.5	635	112	✳	.079	.064	.057
333876CB	UT6314R-41 ⊕	1	Hi-eff Red	Red diffused	T1	0.119/3	0.17	1.00	0.10	2.1	12	635	40	.27	.213	.102	.066
333171CB	HLMP-K155-JV ⊕	1	Red	Red clear	T1	0.119/3	0.19	1.04	0.10	1.6	3.0	660	45	✳	.079	.078	.057
333850CB	UT6371-41-M1 ⊕	1	Red	Red diffused	T1	0.119/3	0.17	0.98	0.10	1.7	63	660	47	✳	.098	.064	.061
333251CB	LSR2643-1 ⊕	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	120	660	40	.20	.196	.128	.109
333260CB	LHR2643-1 ⊕	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	300	660	40	.28	.19	.152	.144
206498CB	LHR2041 ⊕	1	Red	Red transparent	T1	0.119/3	0.17	0.69	0.08	2.0	350	660	30	✳	.15	.12	.09
334203CB	LA16B/H ⊕	2	Red	Red diffused PCB mount indicators	T1	0.119/3	0.29	0.18	0.10	1.7	4.2	697	50	.30	.284	.146	.102
94529CB	LH2040* ⊕	1	Red	Red diffused (XC209RB)	T1	0.119/3	0.18	1.04	0.07	2.3	4.5	697	36	✳	.19	.15	.12
114673CB	LH2043* ⊕	1	Red	Water clear (BR209)	T1	0.119/3	0.14	0.98	0.07	2.3	12	697	30	✳	.19	.15	.12
94553CB	LHG2062 ⊕	1	Red/Green	White diffused bi-color/bi-state1	T1	0.119/3	0.18	1.06	0.08	2.3	3 & 15	697/565	36	.29	.25	.21	.16
333391CB	UT6341-41 ⊕	1	Orange	Orange diffused	T1	0.119/3	0.17	0.94	0.10	2.1	35	630	55	.22	.182	.084	.068
333833CB	LI12340 ⊕	1	Orange	Red diffused	T1	0.119/3	0.16	0.98	0.10	1.7	6.5	635	112	✳	.098	.076	.054
34606CB	LSG2040* ⊕	1	Green	Green diffused (XC209G)	T1	0.119/3	0.13	1.05	0.08	2.2	15	560	50	✳	.15	.11	.08
333201CB	LG12340 ⊕	1	Green	Green diffused	T1	0.119/3	0.13	0.98	0.10	1.7	9.6	565	112	✳	.08	.063	.06
211087CB	LG2040 ⊕	1	Green	Green diffused	T1	0.119/3	0.13	1.10	0.10	2.1	12.6	565	36	✳	.11	.094	.071
334220CB	LA16B/G ⊕	2	Green	Green diffused PCB mount indicators	T1	0.119/3	0.29	0.18	0.10	1.7	15	565	50	.30	.284	.146	.102
235416CB	LA45B/2G ⊕	3	Green	Green diffused (dual)	T1	0.119/3	0.40	0.18	0.10	1.7	15	565	50	.99	.89	.71	.53
136274CB	LA44B/2G ⊕	3	Green	Green diffused (dual)	T1	0.119/3	0.38	0.17	0.10	2.3	15	565	50	.49	.45	.39	.29
333315CB	MV7441-JV ⊕	1	Green	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	120	565	40	✳	.17	.145	.124
175679CB	LVG2041 ⊕	1	Green	Green transparent	T1	0.119/3	0.17	0.69	0.08	2.2	129	565	30	✳	.15	.11	.08
114681CB	LVG2043* ⊕	1	Green	Water clear (BG209)	T1	0.119/3	0.14	0.98	0.07	2.2	129	565	30	✳	.09	.07	.055
137411CB	LVB2040 ⊕	1	Blue	Blue diffused	T1	0.119/3	0.21	0.98	0.10	4.8	10	430	50	2.49	2.25	1.95	1.69
334457CB	LSBI2640 ⊕	1	Blue	Blue diffused	T1	0.197/5	0.17	0.98	0.10	3.8	50	430	—	.75	.73	.69	.66
333382CB	UT63B1-41-M1A2 ⊕	1	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	466	54	.75	.714	.68	.66
34825CB	LY3330* ⊕	1	Yellow	Yellow diffused (XC556Y)	T1 3/4	0.197/5	0.30	0.82	0.07	2.3	12	585	36	✳	.19	.15	.12
104264CB	LA93B/Y-1 ⊕	4	Yellow	Yellow diffused (XC410Y)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	25	585	46	.35	.316	.256	.192
334406CB	LY9033 ⊕	5	Yellow	Water clear	T1 3/4	0.197/5	0.05	0.27	0.03	1.7	30	585	20	✳	.176	.104	.099
175695CB	LVY3333* ⊕	1	Yellow	Water clear	T1 3/4	0.197/5	0.30	1.07	0.08	2.1	60	585	20	✳	.19	.15	.12
334107CB	UT1831-81-S ⊕	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	16.4	589	44	✳	.098	.064	.061
333964CB	UT1834-81-S ⊕	1	Yellow	Yellow Clear	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	55.8	589	22	✳	.098	.069	.049
334385CB	UT1833-81-M181 ⊕	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	450	590	10	✳	.098	.064	.061

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 56

More Mounting Hardware listed on pages 54-56

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

JAMECO ValuePro Standard-Output LEDs (Continued)

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See pg 50 for figures

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
333622CB	LHY3330/HO ⊕	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	350	595	40	$.31	$.30	$.192	$.154
334377CB	UT1841R-81 ⊕	1	Hi-eff Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	23.1	630	44	✳	.098	.064	.061
334060CB	UT1841R-81-S ⊕	1	Hi-eff Red	Red diffused	T1 3/4	0.197/5	0.34	0.94	0.10	2.1	23.1	630	44	.27	.213	.102	.066
333921CB	UT1844R-81-S ⊕	1	Hi-eff Red	Red clear	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	78.8	630	22	✳	.098	.069	.049
334271CB	LA93B/I ⊕	4	Hi-eff Red	Red diffused PCB mount indicators	T1 3/4	0.197/5	0.36	0.15	0.10	1.7	25	635	46	.30	.284	.146	.115
34711CB	LEG3362* ⊕	1	Red/Green	White diffused bi-color/bi-state[1]	T1 3/4	0.197/5	0.30	1.01	0.09	2.3	7.5	635/565	30	.33	.28	.22	.19
333972CB	UT1871-81-M1 ⊕	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	75	660	25	✳	.098	.064	.061
334115CB	UT1872-81-M1 ⊕	1	Red	White diffused	T1 3/4	0.197/5	0.34	1.00	0.10	1.7	75	660	25	.25	.225	.122	.08
333454CB	LSR3330/HO/A ⊕	1	Red	Red diffused	T1 3/4	0.197/5	0.34	1.00	0.10	1.5	140	660	40	✳	.14	.128	.113
333462CB	LHR3330/HO/A ⊕	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.5	220	660	40	.23	.219	.146	.104
334035CB	UT1871-81-UR-P18 ⊕	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.94	0.10	1.9	250	660	25	✳	.098	.082	.078
333489CB	LUR3330/HO/A ⊕	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.5	380	660	40	.20	.174	.146	.104
94511CB	LH3330 ⊕	1	Red	Red diffused (XC556RB)	T1 3/4	0.197/5	0.31	0.81	0.08	2.3	3	697	36	✳	.17	.13	.10
104248CB	LA93B/H-1* ⊕	4	Red	Red diffused (XC410R)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	6.5	697	46	✳	.23	.19	.17
34745CB	LH3333 ⊕	1	Red	Water clear (XC554R)	T1 3/4	0.197/5	0.30	1.00	0.08	2.3	7.5	697	20	✳	.15	.11	.065
334174CB	LHI3360 ⊕	6	Red/Orange	Red diffused bi-color/solid state[1]	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2.0 & 3.0	697/635	30	.25	.213	.128	.092
334182CB	LGH3362 ⊕	6	Red/Green	White diffused bi-color/solid state[1]	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2.0 & 8.0	697/565	30	.23	.222	.146	.104
34673CB	LHG3392* ⊕	7	Red/Green	White diffused bi-color/tri-state[1]	T1 3/4	0.197/5	0.30	1.02	0.03	2.3	3 & 12	697/565	70	.24	.22	.20	.14
334051CB	UT1841-81-S ⊕	1	Orange	Orange diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	23.1	630	44	.22	.176	.102	.066
333243CB	UT2462-24-D51 ⊕	7	Orange/Green	White diffused bi-color/tri-state[1]	T1 3/4	0.197/5	0.30	0.80	0.10	2.1	11.7	630/572	70	.23	.219	.119	.104
107393CB	LE3330 ⊕	1	Orange Red	Orange diffused (XC556A)	T1 3/4	0.197/5	0.30	1.02	0.08	2.3	12	635	36	✳	.11	.07	.053
333235CB	LI13530 ⊕	1	Orange	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	15	635	70	✳	.12	.103	.065
334001CB	LI3330 ⊕	1	Orange	Orange diffused	T1 3/4	0.197/5	0.35	1.00	0.10	1.7	24	635	36	✳	.098	.069	.049
333913CB	LE3331 ⊕	1	Orange	Orange transparent	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	75	635	20	✳	.118	.069	.049
34761CB	LG3330* ⊕	1	Green	Green diffused (XC556G)	T1 3/4	0.197/5	0.31	0.79	0.09	2.3	12	565	36	✳	.15	.14	.10
334086CB	LG13740 ⊕	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	20	565	68	✳	.098	.064	.061
333227CB	LG13530 ⊕	1	Hi-eff Green	Green diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	25	565	70	✳	.12	.102	.065
104256CB	LA93B/G-1* ⊕	4	Green	Green diffused (XC410G)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	30	565	46	✳	.23	.19	.17
11359CB	LG3333* ⊕	1	Green	Water clear (BG5704)	T1 3/4	0.197/5	0.30	1.04	0.07	2.3	100	565	20	✳	.22	.20	.16
333956CB	LG3331 ⊕	1	Green	Green transparent	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	150	565	20	✳	.098	.064	.061
333534CB	LVG3333/S46 ⊕	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	220	565	30	.23	.222	.147	.104
334393CB	UT1821-81-S ⊕	1	Green	Green diffused	T1 3/4	0.197/5	0.35	1.00	0.10	2.1	20	572	44	✳	.098	.064	.061
333948CB	UT1824-81-S ⊕	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	68.1	572	22	✳	.108	.069	.049
138691CB	LVB3330 ⊕	1	Blue	Blue diffused	T1 3/4	0.197/5	0.34	0.98	0.10	4.8	10	430	36	2.15	2.04	1.95	1.79
137613CB	LSBI3333 ⊕	1	Blue	Water clear	T1 3/4	0.197/5	0.34	0.98	0.08	3.8	160	430	15	2.29	2.04	1.63	1.22
134332CB	LT18B3-81UR ⊕	1	Blue	Water clear (383UBC)	T1 3/4	0.197/5	0.30	0.93	0.10	3.8	350	428	20	~~$2.65~~ 1.99	1.92	1.84	1.44
94561CB	LFG3360 ⊕	1	Green	Green diffused blinking (XC5408)†	T1 3/4	0.197/5	0.30	1.05	0.08	3-12V	17	565	N/A	.59	.53	.48	.43
351038CB	MCDL-517GD-F ⊕	1	Green	Green diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	2.0	15	565	120	.51	.419	.289	.278
351046CB	MCDL-517YD-F ⊕	1	Yellow	Yellow diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	20	585	120	.51	.419	.289	.278
351054CB	MCDL-517AD-F ⊕	1	Amber	Amber diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	20	585	120	.51	.419	.289	.278
351011CB	MCDL-517ED-F ⊕	1	Hi-eff Red	Red diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.7	20	635	120	.51	.419	.354	.278
351020CB	MCDL-517ED-EF ⊕	1	Orange	Orange diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	20	635	120	.51	.419	.354	.278
351062CB	MCDL-517SRD-F ⊕	1	Super Red	Red diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.8	200	660	120	.57	.469	.323	.31
351071CB	MCDL-517LRD-F ⊕	1	Super Red	Red diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.8	300	660	120	.57	.469	.323	.31
351097CB	MCDL-517URC-U14-F ⊕	1	Super Red	Water clear blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.8	300	660	30	.57	.469	.323	.31
34690CB	LFH3360* ⊕	1	Red	Red diffused blinking (XC5410)†	T1 3/4	0.197/5	0.30	0.94	0.07	3-12V	2.8	697	N/A	.49	.45	.39	.35
138860CB	LFH3363 ⊕	1	Red	Water clear blinking†	T1 3/4	0.197/5	0.35	1.06	0.10	3-12V	9	697	N/A	.56	.51	.403	.299
351003CB	MCDL-517HD-F ⊕	1	Bright Red	Red diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	5.0	700	120	.52	.47	.413	.296
119634CB	LHR3930 ⊕	1	Red	Red diffused Jumbo (LT9952L)	T2 1/2	0.315/8	0.44	0.84	0.07	2.0	100	660	44	.23	.20	.15	.113
137621CB	LVG3930 ⊕	1	Green	Green diffused Jumbo	T2 1/2	0.315/8	0.43	1.04	0.07	2.3	40	565	44	.23	.211	.192	.122
98992CB	LY3630 ⊕	1	Yellow	Yellow diffused XJumbo (XC10Y)	T3 1/4	0.394/10	0.54	1.04	0.08	2.3	15	585	42	.29	.26	.21	.16
138683CB	LHR3630 ⊕	1	Red	Red diffused XJumbo (XC10R)	T3 1/4	0.394/10	0.40	1.04	0.10	2.0	100	660	32	.39	.316	.272	.204
98984CB	LVG3630 ⊕	1	Green	Green diffused XJumbo (XC10G)	T3 1/4	0.394/10	0.40	1.07	0.08	2.3	40	565	32	.27	.26	.19	.13
379647CB	MCDL-833YD ⊕	1	Yellow	Yellow diffused	T3 1/4	0.393/10	0.47	1.00	0.10	2.1	25	590	60	.66	.58	.48	.358
379639CB	MCDL-833ED ⊕	1	Hi-eff Red	Red diffused	T3 1/4	0.393/10	0.47	1.00	0.10	2.0	25	635	60	.66	.58	.48	.358
379663CB	MCDL-833SRD ⊕	1	Super Red	Red diffused	T3 1/4	0.393/10	0.47	1.00	0.10	1.8	200	660	60	.76	.67	.54	.411
379604CB	MCDL-833DG ⊕	1	Green	Green diffused	T3 1/4	0.393/10	0.47	1.00	0.10	2.2	20	570	60	.66	.58	.48	.358
104889CB	LEG5292 ⊕	8	Red/Green	White diff. bi-color rectangular[1]	2 x 5	—	0.27	1.02	0.08	2.3	6/6	695/565	116	.23	.215	.20	.15
333796CB	UT7231-81 ⊕	9	Yellow	Yellow diffused rectangular	2.3 x 7.1	—	0.29	0.94	0.10	2.1	5.0	585	70	.29	.241	.119	.085
333761CB	UT7241-81 ⊕	9	Hi-eff Red	Orange diffused rectangular	2.3 x 7.1	—	0.29	0.94	0.10	2.1	7.2	635	70	✳	.127	.08	.074

See pg 50 for figures *10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 54 [1] Reverse polarity to change color † Volt. shown is operating volt. range; no current limiting resistor required.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Standard and Medium-Output LEDs

RoHS Compliant Product
RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

Standard-Output LEDs (Continued)

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See pg 50 for figures

Part No.	Cross Ref. No.	# Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
333770CB	UT7241R-81 ⊕	9	Hi-eff Red	Red diffused rectangular	2.3 x 7.1	—	0.29	0.94	0.10	2.1	7.2	635	70	✳	$.12	$.102	$.074
333788CB	UT7222-81 ⊕	9	Green	White diffused rectangular	2.3 x 7.1	—	0.29	0.94	0.10	2.1	6.1	567	70	.29	.241	.119	.085
333702CB	UT7321-81 ⊕	10	Green	Green diffused rectangular	3.2 x 6.2	—	0.28	0.80	0.10	2.1	8.8	567	60	.23	.207	.146	.105
333711CB	UT7331-81 ⊕	10	Yellow	Yellow diffused rectangular	3.2 x 6.2	—	0.28	0.80	0.10	2.1	7.2	585	60	.25	.238	.158	.112
333690CB	UT7341R-81 ⊕	10	Orange	Red diffused rectangular	3.2 x 6.2	—	0.28	0.80	0.10	2.1	10.1	635	60	.23	.207	.146	.105
94545CB	LG25030†† ⊕	10	Green	Green diff. rect. (XC57124G)	3.5 x 6	—	0.26	1.06	0.08	2.3	5.2	565	100	✳	.19	.16	.15
333745CB	UT5221-81 ⊕	9	Green	Green diffused rectangular	5.2 x 7.8	—	0.30	1.03	0.10	2.1	7.1	572	82	✳	.088	.056	.053
333753CB	UT5231-81 ⊕	9	Yellow	Yellow diffused rectangular	5.2 x 7.8	—	0.30	1.03	0.10	2.1	5.9	589	82	✳	.108	.076	.054
333737CB	UT521R-81 ⊕	9	Hi-eff Red	Red diffused rectangular	5.2 x 7.8	—	0.30	1.03	0.10	2.1	8.3	630	82	✳	.098	.076	.054
334650CB	UB3541R-11 NRAK ⊕	11	Orange	0.35" lightbar	8.9 x 10.1	—	—	—	0.10	2.1	7.8	635	N/A	.80	.70	.48	.408
334668CB	UB3531-11 NYAK ⊕	11	Yellow	0.35" lightbar	8.9 x 10.1	—	—	—	0.10	2.1	5.5	585	N/A	.83	.70	.48	.401
334676CB	UB3521-11 NGAK ⊕	11	Green	0.35" lightbar	8.9 x 10.1	—	—	—	0.10	2.1	6.8	567	N/A	.83	.70	.48	.396
334326CB	LG-150Y-DT ⊕	12	Yellow	White diffused SMD 1206	SMD1206	—	0.06	0.13	—	1.7	5	585	150	✳	.13	.105	.085
334297CB	LG-150Y-CT ⊕	12	Yellow	Water clear SMD 1206	SMD1206	—	0.07	0.13	—	1.7	6.0	588	150	✳	.19	.147	.084
334318CB	LG-150E-DT ⊕	12	Hi-eff Red	White diffused SMD 1206	SMD1206	—	0.06	0.13	—	1.7	8	635	150	✳	.19	.147	.085
334289CB	LG150E-CT ⊕	12	Orange	Water clear SMD 1206	SMD1206	—	0.07	0.13	—	1.7	6.0	635	150	✳	.147	.104	.084
334334CB	LG-150G-DT ⊕	12	Green	White diffused SMD 1206	SMD1206	—	0.06	0.13	—	1.7	10	573	140	✳	.118	.095	.078
334300CB	LG-150G-CT ⊕	12	Green	Water clear SMD 1206	SMD1206	—	0.07	0.13	—	1.7	12.5	573	140	✳	.158	.112	.085
334781CB	LG-150DBK-CT ⊕	12	Blue	Water clear SMD 1206	SMD1206	—	0.06	0.13	—	3.5	40	470	150	2.29	2.20	1.72	1.31
334351CB	LY9553/TR1 ⊕	13	Yellow	Water clear surface mount	PLCC-2	—	0.12	1.30	—	1.7	7.0	585	84	✳	.15	.114	.102
334369CB	LG9533/TR1 ⊕	13	Green	Water clear surface mount	PLCC-2	—	0.12	1.30	—	1.7	9.0	565	84	✳	.15	.114	.103

Other Manufacturers — Great Deals

26745CB	MCDL-170EC ⊕	5	Red	Water clear	T 3/4	0.083/2.1	0.06	0.25	0.11	2.1	7	635	N/A	$.23	$.207	$.189	$.18
202489CB	MVL-301Y	1	Yellow	Yellow diffused	T1	0.119/3	0.14	1.12	0.10	2.1	9.0	585	N/A	✳	.171	.145	.109
211086CB	LTL-4231N-022	1	Green	Green diffused	T1	0.119/3	0.13	1.10	0.10	2.1	12.6	565	N/A	✳	.099	.084	.063
202471CB	MVL-301HR	1	Orange Red	Red diffused	T1	0.119/3	0.14	1.12	0.10	2.0	9.0	640	N/A	✳	.062	.056	.05
135597CB	LTL307E*	1	Orange Red	Red diffused	T1 3/4	0.197/5	0.34	1.00	0.07	2.0	19	635	N/A	✳	.115	.081	.061
482679CB	5307H1	15	Red	Red right angle assembly	T1 3/4	0.197/5	0.57	0.13	0.10	2.0	6.3	650	N/A	.30	.284	.256	.192
320282CB	566-0306 ⊕	14	Yellow	Yellow diffused rectangular	2 x 5mm	—	0.28	0.11	0.10	2.1	3.5	583	N/A	.89	.76	.46	.40
320274CB	566-0206 ⊕	14	Green	Green diffused rectangular	2 x 5mm	—	0.28	0.11	0.10	2.2	4	565	N/A	1.15	.94	.53	.515
320291CB	566-0406 ⊕	14	Red	Red diffused rectangular	2 x 5mm	—	0.28	0.11	0.10	2.0	7.4	635	N/A	.89	.76	.46	.404

See pg 50 for figures †† For mounting hardware see pg 54-56 *10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 56

Medium-Output LEDs

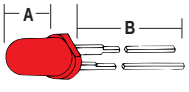


Fig. 1


Fig. 2


Fig. 3

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
333307CB	LUY2643-1 ⊕	1	Yellow	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	900	595	40	$.26	$.174	$.161	$.145
333278CB	LUR2643-1 ⊕	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	550	660	—	✳	.16	.154	.147
333374CB	LURF2643-1 ⊕	1	Red	Water clear	T1	0.119/3	0.13	0.98	0.10	1.5	550	630	40	✳	.158	.153	.146
333340CB	LHE2643 ⊕	1	Orange	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	700	620	40	✳	.158	.144	.137
333358CB	LUE2643 ⊕	1	Orange	Water clear	T1	0.119/3	0.13	0.98	0.10	1.7	900	620	40	.21	.19	.176	.158
334748CB	UT63B3-41-UR33 ⊕	1	Blue	Water clear	T1	0.119/3	0.17	0.94	0.10	3.2	900	470	45	1.26	1.21	.92	.66
206501CB	LVY3331 ⊕	1	Yellow	Yellow transparent	T1 3/4	0.197/5	0.24	1.07	0.07	2.2	700	595	20	✳	.19	.15	.12
206519CB	LHR3331 ⊕	1	Red	Red transparent	T1 3/4	0.197/5	0.24	1.07	0.07	2.0	660	550	20	✳	.19	.15	.12
334490CB	LHRF3333/S46/A ⊕	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.5	700	630	30	.37	.323	.157	.109
351089CB	MCDL-517URD-F ⊕	1	Super Red	Red diffused blinking	T1 3/4	0.197/5	0.34	1.00	0.10	1.8	500	660	120	.57	.469	.323	.31
333420CB	LSR3331 ⊕	1	Red	Red transparent	T1 3/4	0.197/5	0.34	0.98	0.10	1.5	550	660	20	✳	.118	.08	.072
333497CB	LSR13233 ⊕	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	720	660	18	✳	.176	.098	.085
333631CB	LUE13733 ⊕	1	Orange	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	700	620	25	.24	.21	.191	.172
153154CB	LVG3333 ⊕	1	Green	Water clear (HLMP-8509)	T1 3/4	0.197/5	0.36	0.90	0.10	2.3	500	565	20	✳	.14	.10	.08
333551CB	LVG13233 ⊕	1	Green	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.7	600	565	18	.23	.219	.146	.138
333542CB	LVG3833 ⊕	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	550	565	12	✳	.16	.149	.138
334465CB	LDBK3331/H0 ⊕	1	Blue	Blue transparent	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	900	470	26	1.79	1.46	1.29	1.07
334756CB	UT5KW3-AA-UAE3-TO1 ⊕	2	White	Water clear	SMD1206	—	0.08	0.14	—	3.2	550	—	120	2.35	2.19	1.99	1.62

Other Manufacturers — Great Deals

210825CB	BVU-5MIQN1	1	Orange Red	Red diffused	T1 3/4	0.197/5	0.30	1.07	0.08	2.1	600	615	—	$.44	$.40	$.32	$.24

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

JAMECO ValuePro

High-Output LEDs

• Typical DC forward current 20mA

JAMECO EXCLUSIVE

See pages 54-56 for LED Mounting Hardware

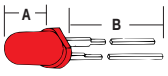
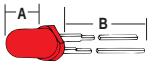
Fig. 1 

Fig. 2 

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
334764CB	CMD204UWC-JV ⊕	1	White	Water clear	T1	0.119/3	0.20	1.00	0.10	3.7	1000	475	30	$2.35	$2.29	$1.71	$1.54
217525CB	MCDPW-3004C ⊕	1	White	Water clear	T1	0.119/3	0.18	1.00	0.10	3.8	3000	—	30	2.99	2.85	2.69	2.55
333577CB	LUYS3333 ⊕	1	Yellow	Water Clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2700	587	20	.30	.285	.177	.145
197675CB	BVT-5E1TT4E ⊕	1	Yellow	Water clear	T1 3/4	0.197/5	0.30	1.08	0.08	2.3	2800	592	15	.45	.36	.29	.27
333614CB	LUY3833H ⊕	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	5000	590	12	.31	.261	.239	.215
333569CB	LUY3333/A ⊕	1	Yellow	Water clear	T1 3/4	0.197/5	0.35	1.00	0.10	1.7	1500	595	20	.30	.285	.177	.124
333593CB	LHY3833 ⊕	1	Yellow	Water clear	T1 3/4	0.197/5	0.35	1.00	0.10	1.7	1500	595	20	.30	.285	.265	.178
333606CB	MV8315-JV ⊕	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2700	595	12	.31	.28	.21	.181
197616CB	BVU-5E1QH4E ⊕	1	Red	Water clear	T1 3/4	0.197/5	0.30	1.05	0.08	1.8	2180	630	15	.39	.35	.29	.25
334422CB	UT9C13-86-UDC2 ⊕	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.9	2700	630	18	.20	.196	.157	.109
334481CB	UT1813-86-UC9T-P27 ⊕	1	Ultra Red	Water clear	T1 3/4	0.197/5	0.34	0.94	0.10	2.2	3500	642	15	.30	.266	.239	.229
152864CB	BVU-501RD4 ⊕	1	Red Super Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9	1000	660	20	.29	.24	.19	.15
333438CB	UT1873-81-UR ⊕	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.94	0.10	1.9	1000	660	10	✳	.19	.119	.085
333446CB	UT1873-81-UR-P22 ⊕	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.9	1200	660	25	✳	.19	.119	.098
333518CB	LUR13233 ⊕	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	2400	660	18	✳	.19	.147	.11
333526CB	LUR3833 ⊕	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	2700	660	12	✳	.16	.119	.107
333500CB	LHR3833/A ⊕	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	1500	660	12	✳	.19	.119	.085
333665CB	LEF3833 ⊕	1	Orange	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	1700	620	12	.30	.29	.20	.178
333649CB	LHE3333 ⊕	1	Orange	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	1800	620	20	.30	.285	.177	.124
333657CB	LUE3333 ⊕	1	Orange	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	3400	620	20	.29	.237	.208	.178
333673CB	LUE3833 ⊕	1	Orange	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	5000	620	12	.30	.27	.177	.159
131895CB	TLSH180P	1	Orange	Water clear	T1 3/4	0.197/5	0.39	0.80	0.10	2.1	10000	623	8	2.49	2.19	1.95	1.79
197683CB	BVT-5E1QT4ER ⊕	1	Orange Red	Water clear	T1 3/4	0.197/5	0.29	1.08	0.08	2.3	4650	634	15	.69	.59	.49	.39
334473CB	LDGL3333/H0 ⊕	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	3400	502	22	1.79	1.45	1.29	1.05
183214CB	MCDPG-503PC1 ⊕	1	Green	Water clear	T1 3/4	0.197/5	0.30	1.04	0.08	3.5	2200	515	10-15	2.95	2.65	2.39	2.15
183222CB	MCDL-513SBC4 ⊕	1	Blue	Water clear	T1 3/4	0.197/5	0.29	1.02	0.08	3.6	3000	470	25	3.25	2.95	2.65	2.39
334502CB	LWK3333 ⊕	1	White	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	5000	—	16	1.89	1.55	1.28	1.02
334772CB	UT18W3-86-UAF1-P22 ⊕	1	White	Water clear	T1 3/4	0.197/5	0.34	1.00	0.10	3.6	2900	475	25	2.35	2.19	1.97	1.77
183231CB	BVU-5C14WK4-B ⊕	1	White	Water clear	T1 3/4	0.197/5	0.30	1.06	0.08	3.5	3000	—	10	2.95	2.65	2.39	2.15
142893CB	BVU-5E1WK4-B ⊕	1	White	Water clear	T1 3/4	0.197/5	0.34	0.79	0.08	3.5	3700	—	15	3.75	3.41	2.90	2.49
320531CB	MCDL-5013UWC ⊕	1	White	Water clear	T1 3/4	0.197/5	0.30	1.00	0.10	3.8	5000	—	15	1.09	.98	.76	.68
197641CB	BVT-529TT3E ⊕	2	Yellow	Yellow transparent	Oval	0.170"/.220"	0.29	1.04	0.08	2.3	7800	592	70	.69	.62	.55	.49

HLMP Series LEDs





✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
253278CB	HLMP-1301 ⊕	Red	Diffused	T1	0.119/3	0.19	1.00	0.10	1.9 @ 10	5.4 @ 10	635	✳	$.137	$.112	$.098
253366CB	HLMP-1321 ⊕	Red	Tinted	T1	0.119/3	0.19	1.00	0.10	1.9 @ 10	30 @ 10	635	✳	.167	.13	.10
253551CB	HLMP-1340 ⊕	Red	Clear	T1	0.119/3	0.19	1.00	0.10	1.9 @ 20	55 @ 10	635	✳	.122	.105	.076
253690CB	HLMP-1700 ⊕	Red	Diffused	T1	0.119/3	0.19	1.00	0.10	1.7 @ 2	2.1 @ 2	635	✳	.132	.105	.086
253711CB	HLMP-K105 ⊕	Red	Clear	T1	0.119/3	0.19	1.00	0.10	2.2 @ 20	65 @ 20	645	✳	.169	.152	.113
253729CB	HLMP-K150 ⊕	Red	Diffused	T1	0.119/3	0.19	1.00	0.10	1.8 @ 1	2.0 @ 1	645	✳	.216	.171	.097
253631CB	HLMP-1503 ⊕	Green	Diffused	T1	0.119/3	0.19	1.00	0.10	2.1 @ 10	1.0 @ 10	565	✳	.103	.076	.061
253649CB	HLMP-1521 ⊕	Green	Tinted	T1	0.119/3	0.19	1.00	0.10	2.7 @ 10	6.7 @ 10	565	✳	.216	.171	.095
253657CB	HLMP-1523 ⊕	Green	Diffused	T1	0.119/3	0.19	1.00	0.10	2.1 @ 10	7.0 @ 10	565	.32	.244	.171	.095
253665CB	HLMP-1540 ⊕	Green	Clear	T1	0.119/3	0.19	1.00	0.10	45 @ 20	2.2 @ 20	565	.24	.207	.174	.139
253681CB	HLMP-1790 ⊕	Green	Diffused	T1	0.119/3	0.19	1.00	0.10	2.2 @ 2	2.3 @ 2	565	✳	.132	.105	.099
253673CB	HLMP-1719 ⊕	Yellow	Diffused	T1	0.119/3	0.19	1.00	0.10	2.5 @ 2	2.1 @ 2	583	✳	.132	.105	.086
253614CB	HLMP-1401 ⊕	Yellow	Diffused	T1	0.119/3	0.19	1.00	0.10	2.0 @ 10	2.2 @ 10	583	✳	.137	.112	.098
253622CB	HLMP-1440 ⊕	Yellow	Clear	T1	0.119/3	0.19	1.00	0.10	2.1 @ 20	45 @ 20	583	✳	.122	.105	.076
253745CB	HLMP-3300 ⊕	Red	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.2 @ 10	3.5 @ 10	635	.33	.263	.188	.113
253753CB	HLMP-3301 ⊕	Red	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.4 @ 10	5.4 @ 10	635	✳	.16	.143	.095
253817CB	HLMP-4700 ⊕	Red	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	1.7 @ 2	2.3 @ 2	626	.31	.244	.171	.095
11797CB	QLMP-D141*	Red	Water clear	T1 3/4	0.197/5	0.29	1.05	0.07	2.0 @ 20	350 @ 20	660	✳	.158	.112	.073
253868CB	HLMP-D401	Orange Red	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.4 @ 10	5.4 @ 10	600	✳	.14	.127	.126
203553CB	HLMP-4100	Orange Red	Water clear	T1 3/4	0.197/5	0.33	1.07	0.08	2.1 @ 20	600 @ 20	615	✳	.087	.078	.07
253770CB	HLMP-3507 ⊕	Green	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.1 @ 10	4.2 @ 10	565	✳	.169	.143	.10
253809CB	HLMP-3950 ⊕	Green	Clear	T1 3/4	0.197/5	0.36	0.90	0.10	1.5 @ 20	265 @ 20	565	✳	.244	.171	.095
253833CB	HLMP-4740 ⊕	Green	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.2 @ 2	2.3 @ 2	565	✳	.244	.171	.124
253761CB	HLMP-3401 ⊕	Yellow	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.0 @ 10	5.7 @ 10	583	.29	.244	.171	.095
253796CB	HLMP-3850 ⊕	Yellow	Clear	T1 3/4	0.197/5	0.36	0.90	0.10	2.1 @ 20	140 @ 20	583	✳	.244	.171	.098
253825CB	HLMP-4719 ⊕	Yellow	Diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.5 @ 2	2.1 @ 2	585	✳	.226	.171	.096

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 56

Mounting Hardware listed on pages 54-56

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

LEDTECH Standard and High-Output LEDs

- Typical DC forward current 20mA

Ledtech is a QS9000 and ISO-9000 Certified Company

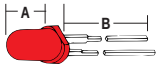


Fig. 1

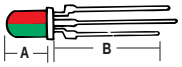


Fig. 2

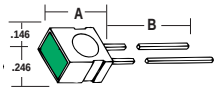


Fig. 3


152805CB


151415CB

✳ Minimum order 10 pieces

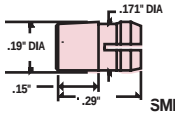
Part Number	Product Number	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter (in./mm)	Dimensions A"	Dimensions B"	Lead Spacing	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
156953CB	LT0373-41 ⊕	1	Red Super Bright	Water clear	T1	0.119/3	0.21	1.07	0.08	1.7 @ 20	600 @ 20	660	$.24	$.22	$.17	$.14
156945CB	LT0362-25-D61 ⊕	2	Red/Green	White diff. bi-color tri-state	T1	0.119/3	0.16	0.87	0.08	2.1 @ 20	2.7/13.3 @ 20	700/567	.29	.25	.19	.15
152750CB	LT0344R-41 ⊕	1	Orange Red	Red clear	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	52.9 @ 10	635	✳	.19	.16	.12
152784CB	LT0341R-41 ⊕	1	Orange Red	Red diffused	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	15.5 @ 10	635	✳	.17	.15	.12
152768CB	LT0324-41 ⊕	1	Green	Green clear	T1	0.119/3	0.20	0.89	0.10	2.1 @ 20	45 @ 20	567	✳	.077	.059	.057
156929CB	LT0321-41-HE ⊕	1	Green	Green diffused	T1	0.118/3	0.16	0.88	0.10	2.1 @ 20	32 @ 20	567	✳	.18	.11	.10
156937CB	LT0331-41 ⊕	1	Yellow	Yellow diffused	T1	0.119/3	0.20	0.95	0.10	2.1 @ 20	11 @ 20	585	✳	.13	.086	.065
136493CB	LT0333-41* ⊕	1	Yellow	Water clear	T1	0.119/3	0.20	0.95	0.10	2.3 @ 20	38 @ 20	589	✳	.14	.096	.072
215597CB	LT2K33-81-UC9T ⊕	1	Yellow	Water clear	T1 3/4	0.197/5	0.31	0.89	0.10	2.2 @ 20	5000 @ 20	592	.59	.55	.49	.45
261622CB	LT1873-81-UR-P22 ⊕	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9 @ 20	1200 @ 20	660	.21	.20	.19	.15
242843CB	LT1811-81 ⊕	1	Red	Red diffused	T1 3/4	0.197/5	0.30	0.88	0.10	2.1 @ 20	4.1 @ 20	700	✳	.12	.10	.06
152805CB	LT1873-81-UR ⊕	1	Red Ultra Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9 @ 20	2000 @ 20	660	.29	.25	.19	.15
153138CB	LT2KJ3-UR-S14 ⊕	1	Orange	Water clear	T1 3/4	0.197/5	0.36	0.90	0.10	2.1 @ 20	2500 @ 20	621	.49	.44	.39	.35
302033CB	LT1814-81	1	Orange	Red diffused	T1 3/4	0.197/5	0.34	0.88	0.10	2.1 @ 20	23.1 @ 20	635	✳	.094	.071	.054
152856CB	LT1841R-81 ⊕	1	Orange Red	Red diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.1 @ 20	23 @ 20	635	✳	.17	.15	.13
156961CB	LT1823-81-HE ⊕	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.87	0.10	2.1 @ 20	500 @ 20	567	✳	.17	.15	.12
152821CB	LT1821-81-HE ⊕	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.1 @ 20	96 @ 20	567	✳	.16	.12	.09
175687CB	LT0524-81 ⊕	1	Green	Green transparent	T1 3/4	0.197/5	0.24	1.07	0.07	2.1 @ 20	44 @ 20	567	✳	.16	.12	.09
152792CB	LT1833-81-M1 ⊕	1	Ylw Super Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	2.1 @ 20	1040 @ 20	593	.26	.24	.19	.14
152830CB	LT1831-81-UR ⊕	1	Ylw Ultra Bright	Yellow diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.0 @ 20	424 @ 20	593	.26	.24	.20	.14
34850CB	LT7341R-81† ⊕	3	Orange Red	Red diffused rectangular	3.5 x 6	—	0.27	0.85	0.07	2.0 @ 20	5.2 @ 20	635	.29	.242	.196	.152
				White Diffused Backlight												
151415CB	LT1F24-A2-S1 ⊕	—	Green	Backlight, diffused	2.05"L x 0.78"H x 0.09"T				8-pin	4.2 @ 20	140 @ 20	567	$2.95	$2.66	$2.12	$1.59
302535CB	LT1F24-A2-S8	—	Green	Backlight, diffused	1.56"L x 0.98"H x 0.15"T				8-pin	4.2 @ 20	24.8@ 20	567	2.95	2.65	2.39	1.79

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 56 † For Mounting Hardware, below

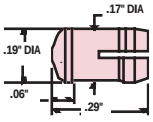
LED Cabinet Kit and LED Mounting Hardware

T1 & T1¾ Cliplite® LED Lens Mounts

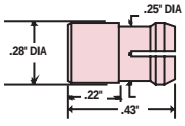
Standard and low profile, provide 180° viewing angle. Colors: red, green, amber, yellow and clear. Hole size for T1, 0.171", on 0.250" centers. Panel thickness T1: SML190, 0.031-0.062"; SMB200, 0.062-0.125". Hole size for T1 & T1-3/4, 0.250" on 0.375" centers. Panel thickness, CLF280, 0.062-0.125". CLB300, 0.031-0.0250".



SML190



SMB200




CLF280


CLB300

Part No.	Type	Size	Color	1	10	100	1000
417818CB	SML190RTP ⊕	T1	Red	$.26	$.226	$.166	$.14
417826CB	SML190ATP ⊕	T1	Amber	.26	.226	.166	.14
417834CB	SML190GTP ⊕	T1	Green	.26	.226	.166	.14
417842CB	SML190YTP ⊕	T1	Yellow	.26	.226	.162	.14
417851CB	SML190CTP ⊕	T1	Clear	.26	.226	.166	.14
417869CB	SMB200RTP ⊕	T1 3/4	Red	.26	.226	.166	.14
417877CB	SMB200ATP ⊕	T1 3/4	Amber	.26	.226	.167	.14
417885CB	SMB200GTP ⊕	T1 3/4	Green	.26	.226	.167	.14
417893CB	SMB200YTP ⊕	T1 3/4	Yellow	.26	.226	.166	.14
417906CB	SMB200CTP ⊕	T1 3/4	Clear	.26	.226	.167	.14
29612CB	CLF280RTP ⊕	T1 3/4	Red	.28	.247	.219	.188
417914CB	CLF280ATP ⊕	T1 3/4	Amber	.28	.244	.185	.157
417922CB	CLF280GTP ⊕	T1 3/4	Green	.28	.244	.185	.157
417931CB	CLF280YTP ⊕	T1 3/4	Yellow	.28	.244	.181	.157
14277CB	CLF280CTP ⊕	T1 3/4	Clear	.25	.19	.16	.14
417949CB	CLB300RTP ⊕	T1 3/4	Red	.28	.244	.185	.157
417957CB	CLB300ATP ⊕	T1 3/4	Amber	.28	.244	.185	.157
417965CB	CLB300GTP ⊕	T1 3/4	Green	.28	.244	.185	.157
417973CB	CLB300YTP ⊕	T1 3/4	Yellow	.28	.244	.181	.157
124927CB	CLB300CTP ⊕	T1 3/4	Clear	.25	.19	.16	.14

Design Engineer's 139 Piece LED Hardware Assortment

Allows you to mount LEDs for different applications and designs. Eliminates soldering, shrink tubing and terminal crimping.



- 139 piece hardware kit for T1 and T1¾ LEDs
- Clear plastic case with dividers
- Size: 8.5"L x 4.5"W x 1.5"H • Weight: 0.4 lbs.

Includes: LED panel lenses and mounts	• Colors: clear, red, yellow, green and blue • Shapes: round, square • Retainers
Pre-wired solderless LED interconnection	• Varied lengths • Standard header pin connector termination • Crimp-type removable connector pins
LED PCB mounts, sockets and standoffs	• Vertical and horizontal mount • Various height LED standoffs • SMT-type connectors • Through-hole type connectors • Resistor-type connectors

Part No.	Description	Price
418731CB	Engineer's LED hardware kit ⊕	$25.09

Order Any Time, Day or Night

Our friendly sales department will take your order 24x7x365 by phone, fax, web or email.

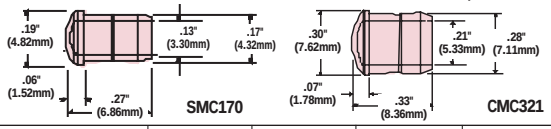
RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

T1 & T1¾ Cliplite® Panel Lens for PCB Mounted LEDs

T1 and T1-3/4 size low-profile panel lenses provide 180° viewing angle. Type SMC170 for T1 LEDs. Hole size: 0.171" on 0.250" centers. CMC321 for T1-3/4 LEDs. Hole size: 0.283" on 0.375" centers. Use retaining ring RNG165 for SMC170 and RNG268 for CMC321/CMS 322. RNG268: 0.36" Dia., 0.08" L.

- RNG165: 0.24" Dia., 0.50" L.
- RNG132: 0.24" Dia., 0.08" L.
- CMC285: 0.21" Dia., 0.285" L.
- SMC130: 0.14" Dia., 0.24" L

✳ Prepackaged: order in increments of 10, 100 or 1000



Part No.	Type	Size	Color	1	10	100	1000
417691CB	SMC170RTP ⊕	T1	Red	$.26	$.226	$.166	$.14
417703CB	SMC170ATP ⊕	T1	Amber	.26	.226	.166	.14
417711CB	SMC170GTP ⊕	T1	Green	.26	.226	.166	.14
417720CB	SMC170YTP ⊕	T1	Yellow	.26	.226	.166	.14
143183CB	SMC170CTP ⊕	T1	Clear	.26	.226	.20	.14
417738CB	CMC321RTP ⊕	T1-3/4	Red	.28	.244	.185	.157
417746CB	CMC321ATP ⊕	T1-3/4	Amber	.28	.244	.185	.157
417754CB	CMC321GTP ⊕	T1-3/4	Green	.28	.244	.185	.157
417762CB	CMC321YTP ⊕	T1-3/4	Yellow	.28	.244	.185	.157
417771CB	CML325CTP ⊕	T1-3/4	Clear	.28	.254	.195	.164
143132CB	CMC321CTP ⊕	T1-3/4	Clear	.25	.22	.18	.14
417797CB	SMC130CTP ⊕	T1	Panel mount clip	✳	.169	.127	.107
417800CB	CMC285CTP ⊕	T1-3/4	Panel mount clip	.27	.235	.166	.14
417631CB	RNG132 ⊕	—	Ring for SMC130	✳	.075	.059	.049
417789CB	RNG165 ⊕	—	Ring for SMC285	✳	.075	.059	.049
417640CB	RNG234 ⊕	—	Ring for CMC321	✳	.066	.059	.049

Conxrite LED Cable Interconnects with Threaded Lenses and Sockets

Designed to replace labor-intensive hard-wiring of panel-mounted LEDs to PCB. 3mm type CNXBE and CNXBX connector assemblies use SMC170 lens or SMC130 mount; 5mm type CNXCE and CNXCX assemblies use a CMC321 lens or CMC285 mount. Thin panels (0.032") use ring spacer type SPC040 for 3mm and type SPC060 for 5mm assemblies. CNXBE, CNXCE and CNXDF cables are supplied with panel and header connector. The BX, CX and DX cables are supplied with panel connector and bare wire leads. CNXV and H series locking headers provide positive locking between PCB and cable assembly.

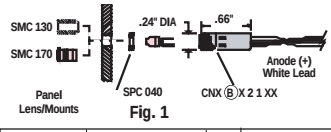


Fig. 1

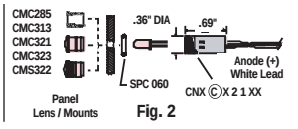


Fig. 2

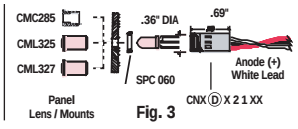


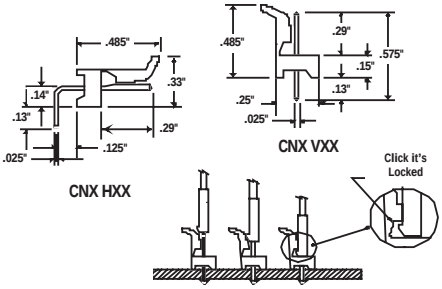
Fig. 3

Part No.	Type	Fig.	LED Type	Termination	Length	1	10	100	1000
417375CB	CNXBE2104 ⊕	1	T1 (3mm) Bi-lead	2 Position Connector	4"	$1.99	$1.69	$1.11	$1.00
143087CB	CNXBE2108 ⊕	1	T1 (3mm) Bi-lead	2 Position Connector	8"	1.25	1.13	1.05	.99
417383CB	CNXBE2112 ⊕	1	T1 (3mm) Bi-lead	2 Position Connector	12"	2.15	1.81	1.20	1.08
417391CB	CNXBE2124 ⊕	1	T1 (3mm) Bi-lead	2 Position Connector	24"	2.45	2.07	1.37	1.33
417404CB	CNXBX2104 ⊕	1	T1 (3mm) Bi-lead	Stripped Leads	4"	1.21	1.03	.75	.68
417412CB	CNXBX2108 ⊕	1	T1 (3mm) Bi-lead	Stripped Leads	8"	1.35	1.14	.75	.68
417421CB	CNXBX2112 ⊕	1	T1 (3mm) Bi-lead	Stripped Leads	12"	1.49	1.26	.84	.76
417439CB	CNXBX2118 ⊕	1	T1 (3mm) Bi-lead	Stripped Leads	18"	1.65	1.38	.92	.71
417447CB	CNXBX2124 ⊕	1	T1 (3mm) Bi-lead	Stripped Leads	24"	1.79	1.52	1.00	.90
417455CB	CNXCE2104 ⊕	2	T1-3/4 (5mm) Bi-lead	2 Position Connector	4"	1.99	1.69	1.11	1.00
143036CB	CNXCE2108 ⊕	2	T1-3/4 (5mm) Bi-lead	2 Position Connector	8"	1.29	1.25	1.19	1.15
417463CB	CNXCE2112 ⊕	2	T1-3/4 (5mm) Bi-lead	2 Position Connector	12"	2.15	1.81	1.20	1.08
143052CB	CNXCE2118 ⊕	2	T1-3/4 (5mm) Bi-lead	2 Position Connector	18"	1.79	1.58	1.30	1.25
417471CB	CNXCE2124 ⊕	2	T1-3/4 (5mm) Bi-lead	2 Position Connector	24"	2.45	2.07	1.37	1.23
417480CB	CNXCX2104 ⊕	2	T1-3/4 (5mm) Bi-lead	Stripped Leads	4"	1.35	1.28	.75	.68
417498CB	CNXCX2108 ⊕	2	T1-3/4 (5mm) Bi-lead	Stripped Leads	8"	1.35	1.14	.75	.59
417501CB	CNXCX2112 ⊕	2	T1-3/4 (5mm) Bi-lead	Stripped Leads	12"	1.49	1.26	.84	.65
417519CB	CNXCX2118 ⊕	2	T1-3/4 (5mm) Bi-lead	Stripped Leads	18"	1.65	1.38	.92	.83
417527CB	CNXCX2124 ⊕	2	T1-3/4 (5mm) Bi-lead	Stripped Leads	24"	1.79	1.61	1.01	.90
417535CB	CNXDF2604 ⊕	3	T1-3/4 (5mm) Tri-lead	3 Position Connector	4"	2.85	2.40	1.58	1.42
417543CB	CNXDF2608 ⊕	3	T1-3/4 (5mm) Tri-lead	3 Position Connector	8"	2.85	2.40	1.58	1.42
417551CB	CNXDF2612 ⊕	3	T1-3/4 (5mm) Tri-lead	3 Position Connector	12"	3.15	2.64	1.76	1.58
417560CB	CNXDF2618 ⊕	3	T1-3/4 (5mm) Tri-lead	3 Position Connector	18"	3.39	2.85	1.89	1.70
417578CB	CNXDF2624 ⊕	3	T1-3/4 (5mm) Tri-lead	3 Position Connector	24"	3.59	3.02	2.00	1.80
417586CB	CNXDX2604 ⊕	3	T1-3/4 (5mm) Tri-lead	Stripped Leads	4"	1.85	1.55	1.02	.80
417594CB	CNXDX2608 ⊕	3	T1-3/4 (5mm) Tri-lead	Stripped Leads	8"	1.85	1.52	1.02	.92
417607CB	CNXDX2612 ⊕	3	T1-3/4 (5mm) Tri-lead	Stripped Leads	12"	2.15	1.81	1.20	1.08
417615CB	CNXDX2618 ⊕	3	T1-3/4 (5mm) Tri-lead	Stripped Leads	18"	2.39	2.02	1.34	1.20
417623CB	CNXDX2624 ⊕	3	T1-3/4 (5mm) Tri-lead	Stripped Leads	24"	2.59	2.19	1.44	1.30

Conxrite Locking Headers For Use With Cable Assemblies

CNXV and H series locking headers provide positive locking between PCB and cable assembly.

- Mounting P/N 417658CB: vertical 2-pin
- Mounting P/N 417666CB: vertical 3-pin
- Mounting P/N 417674CB: horizontal 2-pin
- Mounting P/N 417682CB: horizontal 3-pin

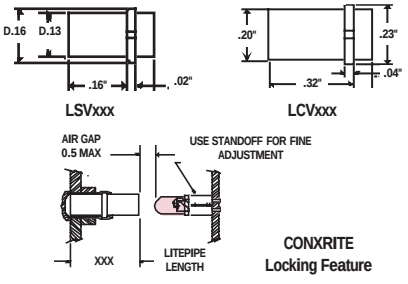


Part No.	Type	1	10	100	1000
417658CB	CNXV02NTP ⊕	$.27	$.251	$.229	$.163
417666CB	CNXV03NTP ⊕	.42	.376	.338	.304
417674CB	CNXH02NTP ⊕	.34	.332	.263	.219
417682CB	CNXH03NTP ⊕	.33	.297	.263	.219

Litepipes For PCB-Mounted LEDs

Designed to transmit light from PCB mounted LED to panel display. Cliplite lenses provide the mounting for Litepipes and produce 180° of viewing angle. Use SMB200 for LSV (3mm) litepipe and CLB300 for LCV (5mm) litepipe, see pg 54. For added security use retaining rings RNG190 (3mm) and RNG268 (5mm).

- Mounting color: clear



Part No.	Type	1	10	100	1000
417981CB	LSV020CTP ⊕	$.28	$.254	$.224	$.189
417990CB	LSV040CTP ⊕	.28	.254	.224	.189
418001CB	LSV060CTP ⊕	.28	.254	.224	.189
418010CB	LSV080CTP ⊕	.28	.254	.224	.189
418028CB	LSV100CTP ⊕	.28	.254	.224	.189
418036CB	LSV120CTP ⊕	.28	.254	.224	.189
418044CB	LCV036CTP ⊕	.28	.254	.224	.189
418052CB	LCV056CTP ⊕	.28	.254	.224	.189
418061CB	LCV076CTP ⊕	.28	.254	.224	.189
418079CB	LCV096CTP ⊕	.28	.254	.224	.189
418087CB	LCV116CTP ⊕	.28	.254	.224	.189
418095CB	LCV136CTP ⊕	.28	.254	.224	.189

Jameco's Got The Docs

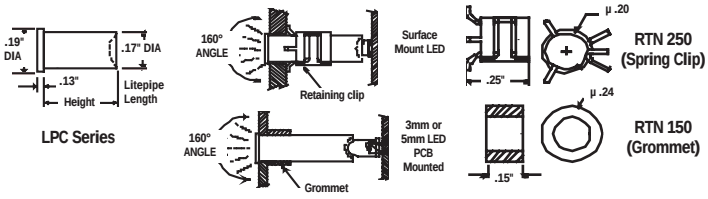
We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Litepipes For Standard and Surface-Mount LEDs

Designed to produce 160° viewing angle of transmitted light from PCB mounted LEDs. Accommodates both 3mm and surface mount LEDs. Litepipes are able to display single color devices or mix multi-colored LEDs into a single color. Sizes from 0.200" (5.08mm) to 2.00" (50.80mm). Use RTN grommet for sizes 0.20" thru 0.50" and RTN spring clip for sizes 0.50" to 2.00" (50.80mm).

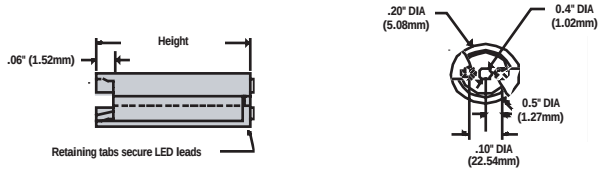


✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Type	Mounting Height	1	10	100	1000
418108CB	LPC020CTP ⊕	0.200"	$.35	$.32	$.244	$.205
418116CB	LPC022CTP ⊕	0.220"	.35	.32	.244	.205
418124CB	LPC024CTP ⊕	0.240"	.35	.32	.244	.205
418132CB	LPC026CTP ⊕	0.260"	.35	.32	.244	.205
418141CB	LPC028CTP ⊕	0.280"	.35	.32	.244	.205
418159CB	LPC030CTP ⊕	0.300"	.35	.32	.244	.205
418167CB	LPC032CTP ⊕	0.320"	.35	.32	.244	.205
418175CB	LPC034CTP ⊕	0.340"	.35	.32	.244	.205
418183CB	LPC036CTP ⊕	0.360"	.35	.32	.244	.205
418191CB	LPC038CTP ⊕	0.380"	.35	.32	.244	.205
418204CB	LPC040CTP ⊕	0.400"	.35	.32	.244	.205
418212CB	LPC042CTP ⊕	0.420"	.35	.32	.244	.205
418221CB	LPC044CTP ⊕	0.440"	.35	.32	.244	.205
418239CB	LPC046CTP ⊕	0.460"	.35	.32	.244	.205
418247CB	LPC048CTP ⊕	0.480"	.35	.32	.244	.205
418255CB	LPC050CTP ⊕	0.500"	.35	.32	.244	.205
418263CB	LPC056CTP ⊕	0.56"	.35	.32	.244	.205
418280CB	LPC066CTP ⊕	0.66"	.35	.32	.244	.205
418301CB	LPC076CTP ⊕	0.76"	.35	.32	.244	.205
418327CB	LPC086CTP ⊕	0.86"	.35	.32	.244	.205
418271CB	LPC060CTP ⊕	0.600"	.35	.32	.244	.205
418298CB	LPC070CTP ⊕	0.700"	.35	.32	.244	.205
418319CB	LPC080CTP ⊕	0.800"	.35	.32	.244	.205
418335CB	LPC090CTP ⊕	0.900"	.35	.32	.244	.205
418343CB	LPC096CTP ⊕	0.960"	.35	.32	.244	.205
418351CB	LPC100CTP ⊕	1.00"	.40	.357	.263	.222
418360CB	LPC125CTP ⊕	1.25"	.40	.357	.263	.222
418378CB	LPC150CTP ⊕	1.50"	.40	.357	.263	.222
418386CB	LPC160CTP ⊕	1.60"	.40	.357	.263	.222
418394CB	LPC200CTP ⊕	2.00"	.40	.357	.263	.222
418407CB	RTN150 ⊕	Grommet	✳	.074	.059	.049
418415CB	RTN250 ⊕	Spring clip	✳	.093	.059	.056

PCB Standoffs for 2 and 3-Lead Components

Designed for PCB mounting of multi-lead devices (e.g. LEDs, IR emitter / detector lamps, resistors, capacitors and diodes). Provide lead separation, retention and lateral stability, and height control. Standoffs vary in height from 0.12" to 1.00". Standoffs are UL94V0 material.



✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Type	Mounting Height	1	10	100	1000
418423CB	STD120BLK ⊕	0.120"	✳	$.093	$.068	$.058
418431CB	STD140BLK ⊕	0.140"	✳	.093	.068	.058
418440CB	STD160BLK ⊕	0.160"	✳	.093	.068	.058
418458CB	STD180BLK ⊕	0.180"	✳	.093	.068	.058
418466CB	STD200BLK ⊕	0.200"	✳	.093	.068	.058
418474CB	STD220BLK ⊕	0.220"	✳	.093	.068	.058
418482CB	STD240BLK ⊕	0.240"	✳	.093	.068	.058
418491CB	STD250BLK ⊕	0.250"	✳	.089	.068	.058
418503CB	STD260BLK ⊕	0.260"	✳	.093	.068	.058
418511CB	STD280BLK ⊕	0.280"	✳	.093	.068	.058
418520CB	STD300BLK ⊕	0.300"	✳	.093	.068	.058
418538CB	STD320BLK ⊕	0.320"	✳	.093	.068	.058
418546CB	STD340BLK ⊕	0.340"	✳	.093	.068	.058
418554CB	STD360BLK ⊕	0.360"	✳	.093	.068	.058
418562CB	STD380BLK ⊕	0.380"	✳	.093	.068	.058
418571CB	STD400BLK ⊕	0.400"	✳	.093	.068	.058
418589CB	STD420BLK ⊕	0.420"	✳	.093	.068	.058
418597CB	STD440BLK ⊕	0.440"	✳	.093	.068	.058
418600CB	STD460BLK ⊕	0.460"	✳	.093	.068	.058
418618CB	STD480BLK ⊕	0.480"	✳	.093	.068	.058
418626CB	STD500BLK ⊕	0.500"	✳	.093	.068	.058
418634CB	STD550BLK ⊕	0.550"	✳	.093	.068	.058
418642CB	STD600BLK ⊕	0.600"	✳	.093	.068	.058
418651CB	STD650BLK ⊕	0.650"	✳	.093	.068	.058
418669CB	STD700BLK ⊕	0.700"	✳	.093	.068	.058
418677CB	STD750BLK ⊕	0.750"	✳	.093	.068	.058
418685CB	STD800BLK ⊕	0.800"	✳	.093	.068	.058
418693CB	STD850BLK ⊕	0.850"	✳	.093	.068	.058
418706CB	STD900BLK ⊕	0.900"	✳	.093	.068	.058
418714CB	STD950BLK ⊕	0.950"	✳	.093	.068	.058
418722CB	STD1.0BLK ⊕	1.000"	✳	.093	.068	.058

LED Mounting Hardware

- P/N 95521CB: for use with P/N 94545CB and 34850CB, pg 51
- Color: black



Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Description	Mounting Hole Dia.	Panel Thickness	Pricing 10	100	1000
95513CB	LMH100 ⊕	T1 snap-in	.185"	Up to .070"	$.08	$.07	$.04
23077CB	LMH200 ⊕	T1 3/4 ring & clip	.257"	Up to .125"	.15	.135	.12
95521CB	LMH250 ⊕	Rect. snap-in	.306" x .202"	Up to .092"	.20	.15	.127
379815CB	— ⊕	10mm snap-in	.539"	Up to .125"	.35	.315	.28

LEDs & LED Mounting Hardware Kit

Includes:



- 20-drawer component cabinet (319599CB), 20 clear plastic drawers (319601CB), 20 clear dividers (319610CB), pg 295 and labels
- 10 ea. standard-output LEDs (34657CB, 114673CB, 114681CB, 34606CB, 175695CB, 34825CB, 34690CB, 11359CB, 34761CB, 34711CB, 104248CB, 104256CB, 34673CB), pg 51 and 136493CB, pg 54
- 10 ea. HLMP series LEDs (11797CB), pg 53
- 10 ea. LED lens mount (14277CB), pg 54
- 100 ea. LEDs (94529CB, 135597CB), pg 52
- 100 ea. LED mounting hardware (95513CB, 23077CB), pg 56

SAVE $24

Part No.	Description	Wt. (lbs.)	1	10
84996CB	560 pcs. kit	5.0	$66.95	$60.25

Electronic Pocket Reference

Third Edition McGraw-Hill Publishing



A pocket reference manual that provides definitions, passive component equations and color coding, parameters of standard semi-conductors, linear circuits, filters, power supply and regulation, electronic measurement and mathematical tables and formulas. (529 pages, 2000)

• Size: 4.0" x 6.0" • Weight: 0.9 lbs.

Part No.	Description	Price
174481CB	Electronics Pocket Reference	$26.95

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RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

JAMECO ValuePro

7-Segment LED Displays

The general advantages of LED displays compared to incandescent types include:

- Lower power consumption
- Longer lifetime (average of more than 300,000 hours)
- Compact size suitable for instrumentation and graphic representations

Soldering:

- Soldering bath: not more than 5 seconds @ 260°C
- Soldering iron: not more than 3 seconds @ 300°C under 30W

A Jameco EXCLUSIVE


Single Digit RHDP


Single Digit RHDP/LHDP


2-Digit RHDP



202526CB pg 58


3-Digit RHDP


4x7 Hex Character


Dot Matrix

Part No.	Cross Ref. No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100	1000
320469CB	UA3031-16-EWRN ⊕	0.300"	Yellow	CA	11	3.0 @ 20	2.3 @ 10	585	LHDP/RHDP	**$.71**	**$.64**	**$.58**	**$.87**
334983CB	UA3051-12 ⊕	0.300"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	**.78**	**.69**	**.61**	**.478**
395639CB	UA3051-16EWRS ⊕	0.300"	Red	CA	11	3.0 @ 20	0.8 @ 10	700	LHDP/RHDP	**1.09**	**.98**	**.96**	**.81**
334799CB	UC3051-11 ⊕	0.300"	Red	CC	10	2.1 @ 20	0.8 @ 10	700	RHDP	**.78**	**.76**	**.61**	**.478**
335003CB	UA3041R-12 ⊕	0.300"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	**.68**	**.60**	**.58**	**.49**
334801CB	UC3041R-11 ⊕	0.300"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	**.68**	**.60**	**.54**	**.49**
334810CB	UC3041R-20 ⊕	0.300"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	LHDP/RHDP	**.86**	**.77**	**.57**	**.52**
335011CB	UA3041-12 ⊕	0.300"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	**.68**	**.60**	**.57**	**.44**
335257CB	UC3671-11-M1-EWAK ⊕	0.360"	Super Bright Red	CA	10	1.7 @ 20	6.0 @ 10	643	RHDP	~~$1.27~~ **.88**	**.79**	**.62**	**.58**
334836CB	UA4071-11-UR EWAK ⊕	0.400"	Red	CA	10	1.9 @ 20	25.6 @ 10	660	RHDP	**.88**	**.79**	**.62**	**.58**
335020CB	UA4051-11 ⊕	0.400"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	**.69**	**.62**	**.432**	**.41**
334844CB	UC4041R-11 ⊕	0.400"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	**.77**	**.73**	**.56**	**.44**
334828CB	UC4041-11 ⊕	0.400"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	**.78**	**.74**	**.56**	**.44**
335046CB	UA4041-11 ⊕	0.400"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	**.78**	**.74**	**.56**	**.44**
335054CB	UN4043-13 EWRS ⊕	0.400"	Orange	3-digit CA	12	2.1 @ 20	3.3 @ 10	635	RHDP	**2.25**	**1.96**	**1.88**	**1.37**
334852CB	UC4031-11 ⊕	0.400"	Yellow	CC	10	2.1 @ 20	2.3 @ 10	585	RHDP	**.80**	**.76**	**.57**	**.452**
335038CB	UA4021-11 ⊕	0.400"	Green	CA	10	2.1 @ 20	2.9 @ 10	567	RHDP	**.80**	**.75**	**.57**	**.452**
335214CB	UC5442-11 EWRS† ⊕	0.540"	Orange	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	**2.95**	**2.58**	**2.48**	**1.81**
335222CB	UA5422-11 EWRS† ⊕	0.540"	Green	2-digit CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	**2.65**	**2.34**	**2.24**	**1.64**
334887CB	UC5651-11 ⊕	0.560"	Red	CC	10	2.1 @ 20	0.8 @ 10	700	RHDP	**1.04**	**.99**	**.87**	**.70**
334932CB	UC5652-11 ⊕	0.560"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 10	700	RHDP	**1.05**	**.99**	**.75**	**.72**
334959CB	UA5652-11 ⊕	0.560"	Red	2-digit CA	18	2.1 @ 20	0.8 @ 10	700	RHDP	**1.39**	**1.32**	**.98**	**.94**
335089CB	UA5651-11 ⊕	0.560"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	**1.04**	**.99**	**.87**	**.70**
335273CB	UA5654-11 EWRS ⊕	0.560"	Red	4-digit CA	36	2.1 @ 20	0.8 @ 10	700	RHDP	**2.25**	**1.75**	**1.52**	**1.26**
334895CB	UC5641R-11 ⊕	0.560"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	**.76**	**.74**	**.51**	**.401**
334941CB	UC5642R-11 ⊕	0.560"	Hi-eff Red	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	**1.18**	**.95**	**.80**	**.64**
334975CB	UA5642R-11 ⊕	0.560"	Hi-eff Red	2-digit CA	18	2.1 @ 20	3.3 @ 10	635	RHDP	**.85**	**.84**	**.63**	**.60**
335100CB	UA5641R-11 ⊕	0.560"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	**.75**	**.67**	**.50**	**.394**
335311CB	UA5641-11 ⊕	0.560"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	**.60**	**.50**	**.40**	**.38**
334879CB	UC5641-11 ⊕	0.560"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	**.65**	**.60**	**.416**	**.401**
335151CB	UA5642-11 ⊕	0.560"	Orange	2-digit CA	18	2.1 @ 20	3.3 @ 10	635	RHDP	**.88**	**.81**	**.64**	**.58**
334924CB	UC5642-11 ⊕	0.560"	Orange	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	**1.03**	**.89**	**.61**	**.58**
335185CB	UM5644R-11 RRRS ⊕	0.560"	Orange	4-digit CC	12	2.1 @ 20	3.3 @ 10	635	RHDP	**2.59**	**2.34**	**2.24**	**1.64**
335126CB	UA5621-11 ⊕	0.560"	Green	CA	10	2.1 @ 20	2.9 @ 10	562	RHDP	**.75**	**.61**	**.40**	**.38**
334861CB	UC5621-11 ⊕	0.560"	Green	CC	10	2.1 @ 20	2.9 @ 10	567	RHDP	**.81**	**.80**	**.546**	**.423**
334967CB	UA5622-11 ⊕	0.560"	Green	2-digit CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	**1.65**	**1.45**	**1.20**	**.96**
334916CB	UC5622-11 ⊕	0.560"	Green	2-digit CC	18	2.1 @ 20	2.9 @ 10	567	RHDP	**1.04**	**.99**	**.74**	**.70**
335169CB	UC5624-11 EWRS ⊕	0.560"	Green	4-digit CC	36	2.1 @ 20	2.9 @ 10	567	RHDP	**2.59**	**2.46**	**1.67**	**1.51**
335177CB	UA5624-11 EWRS ⊕	0.560"	Green	4-digit CA	36	2.1 @ 20	2.9 @ 10	567	RHDP	**2.59**	**2.25**	**2.05**	**1.69**
335193CB	UM5624-11 EWRS ⊕	0.560"	Green	4-digit CC	12	2.1 @ 20	2.9 @ 10	567	RHDP	**2.59**	**2.34**	**2.24**	**1.64**
334908CB	UC8041-21 EWRS ⊕	0.800"	Orange	CC	13	2.1 @ 20	3.8 @ 10	635	RHDP	**1.29**	**1.05**	**.88**	**.70**
335281CB	UJ1141-21 EWRN ⊕	1.2"	Orange	5 x 7 CC/AR	14	2.1 @ 20	4.6 @ 10	635	—	**5.49**	**4.95**	**4.45**	**3.94**
335290CB	UJ2041-22 EWRN ⊕	2.0"	Orange	5 x 7 CC/AR	14	2.1 @ 20	6.0 @ 10	630	—	**3.65**	**3.26**	**3.14**	**2.73**
						Other Manufacturers — Great Deals							
24731CB	LSD3021-11 ⊕	.300"	Red	CA	11	1.9 @ 20	0.3 @ 20	697	RHDP	**$.87**	**$.70**	**$.50**	**$.47**
308187CB	LC3041R-RRRN ⊕	.300"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	LHDP/RHDP	**.73**	**.64**	**.59**	**.56**
24740CB	LSD3221-11 ⊕	.300"	Red	CA	11	2.1 @ 20	2.5 @ 20	697	LHDP	**.79**	**.72**	**.64**	**.58**
24782CB	LSD3211-11 ⊕	.300"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	RHDP	**.89**	**.75**	**.65**	**.49**
308179CB	LC3951-11EWAK ⊕	.390"	Red	CC	10	2.1 @ 20	0.6 @ 10	700	RHDP	**.79**	**.73**	**.68**	**.67**
17187CB	LSD5051-11 ⊕	.500"	Red	CC	10	2.1 @ 20	0.9 @ 20	697	RHDP	**.89**	**.80**	**.72**	**.65**
17208CB	LSD5061-11 ⊕	.500"	Red	CA	10	2.1 @ 20	0.9 @ 20	697	RHDP	**.89**	**.75**	**.65**	**.49**
104213CB	LSD5124-10 ⊕	.560"	Orange Red	CA	10	2.0 @ 20	2.4 @ 20	635	RHDP	**.89**	**.80**	**.64**	**.48**

*CA-Common Anode/CC-Common Cathode/AR-Anode Row # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point † 14 segment

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend
New Sale Lower$ QtySave

7-Segment LED Displays (Continued)

Quantity SAVE

See pg 57 for package

Other Manufacturers — Great Deals

Part No.	Cross Ref. No.	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100	1000
308224CB	LM5643R-11RRRN ⊕	0.560"	Orange	3-digit CC	11	2.1 @ 20	3.3 @ 10	635	RHDP	$2.25	$2.05	$1.79	$1.69
308232CB	LM5644R-11RRRN ⊕	0.560"	Orange	4-digit CC	12	2.1 @ 20	3.3 @ 10	635	RHDP	2.75	2.45	2.19	2.09
199531CB	LSD5111-11 ⊕	0.560"	Red	CC	10	2.1 @ 20	0.8 @ 20	697	RHDP	~~$1.55~~ 1.25	1.11	.89	.67
24715CB	LDD5121-20 ⊕	0.560"	Red	2-digit CA	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.25	1.05	.89	.75
24723CB	LDD5111-11 ⊕	0.560"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.25	1.05	.89	.75
200379CB	LB602VAGI ⊕	0.560"	Red	2-digit CA	18	2.0 @ 10	16 @ 10	650	RHDP	1.99	1.34	1.08	.80
24694CB	LDD5124 ⊕	0.560"	Orange Red	2-digit CA	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.69	1.52	.96	.73
24707CB	LDD5114-20 ⊕	0.560"	Orange Red	2-digit CC	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.59	1.43	.98	.69
200539CB	ELD556YWA ⊕	0.560"	Yellow	2-digit CA	18	2.0 @ 20	1.9 @ 10	590	RHDP	1.89	1.44	1.25	.94
308216CB	LA5622-11EWRN ⊕	0.560"	Green	2-digit CA	18	2.1 @ 20	2.9 @ 10	567	RHDP	.87	.65	.56	.53
225963CB	KW3-562A2B ⊕	0.560"	Green	3-digit CA	28	2.2 @ 20	15 @ 20	568	RHDP	2.39	2.15	1.95	1.25
199582CB	LC56311 ⊕	0.560"	Yellow	CC	8	2.1 @ 20	5.2 @ 20	589	RHDP	1.49	1.25	1.09	.79
18737CB	LSD816-11 ⊕	0.800"	Orange Red	CA	13	1.6 @ 20	0.9 @ 20	655	RHDP	1.49	1.35	1.19	.99
308259CB	LA8071-11-MIEWRW ⊕	0.800"	Red	CA	13	1.7 @ 20	8.9 @ 10	660	LHDP/RHDP	1.39	1.25	1.13	1.07
18753CB	LSD8151-10 ⊕	0.800"	Red	CC	13	2.1 @ 20	1.0 @ 20	697	RHDP	1.49	1.34	1.07	.80
176559CB	C8021-1 ⊕	0.800"	Green	CC	13	2.0 @ 20	0.9 @ 20	568	RHDP	.56	.51	.457	.343
308161CB	LA2541-24EWRN ⊕	1.0"	Orange	CA	10	4.2 @ 20	5.2 @ 10	635	RHDP	2.89	2.65	2.29	2.15
97172CB	LSD10061-10 ⊕	1.0"	Red	CA	10	2.1 @ 20	2.0 @ 20	697	RHDP	1.39	1.25	1.12	.99
97199CB	LSD23265-10 ⊕	2.24"	Red	CA	10	1.7 @ 20	21 @ 20	660	RHDP	5.75	5.19	4.69	4.19
97201CB	LSD23255-10 ⊕	2.24"	Red	CC	10	1.7 @ 20	21 @ 20	660	RHDP	4.49	3.95	3.25	2.95
308208CB	LA2321-42EWRN ⊕	2.24"	Green	CA	10	4.2 @ 40	2.7 @ 10	567	RHDP	8.45	8.15	6.59	5.25
202518CB	LSD30165-20 ⊕	3.0"	Orange Red	CA	10	8 @ 20	4.5 @ 10	635	RHDP	7.39	6.65	5.98	5.39
202542CB	LSD30155-20 ⊕	3.0"	Orange Red	CC	10	8 @ 20	4.5 @ 10	635	RHDP	5.49	4.95	4.45	4.05
105591CB	LSD40054-20† ⊕	4.0"	Orange Red	CC	10	2.0 @ 20	18 @ 20	635	RHDP	9.49	8.29	7.49	6.49
202500CB	LSD40064-20 ⊕	4.0"	Orange Red	CA	10	2.0 @ 20	18 @ 10	635	RHDP	10.49	9.49	8.59	6.44
202526CB	LSD50065-20 ⊕	5.0"	Red	CA	10	17 @ 20	45 @ 10	660	RHDP	30.19	24.15	21.75	16.31
202534CB	LSD50055-20 ⊕	5.0"	Red	CC	10	17 @ 20	45 @ 10	660	RHDP	17.95	14.35	12.95	11.65

* CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point † 5 diodes per segment

Dot Matrix and Bargraph LED Displays

Part No.	Cross Ref. No.	Jameco Socket Number	Character Height	Illuminated Color	Bus Polarity*	Pins/ Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing 1	10	100	1000
173833CB	HP5082-7300 ⊕	—	0.290"	Red	4x7 Numeric	8	5.0 @ 170	0.03 @ 20	660	RHDP	$4.95	$4.46	$4.01	$3.34
32951CB	TIL311 ⊕	37161CB	0.300"	Red	4x7 Hex character	11	5.0 @ 5	0.1 @ 5	660	—	16.95	14.35	12.20	11.45
308152CB	LA5041R-11BRRRN ⊕	—	0.500"	Orange	Alphanumeric	18	2.1 @ 20	7.4 @ 10	635	RHDP	1.69	1.49	.89	.85
118906CB	LTP747R ⊕	37161CB	0.680"	Orange Red	5 x 7 AC/CR	12	1.7 @ 20	0.2 @ 20	655	—	2.25	2.05	1.65	1.25
218843CB	CSM57041T-11 ⊕	—	0.700"	Red	5 x 7 CC/CR	12	1.8 @ 20	8 @ 20	660	—	1.95	1.76	1.40	1.05
308144CB	LJ5763-M1FEWRN ⊕	—	1.10"	Red/Green	5 x 7 CC/AR	20	1.7/2.1 @ 20	10.8/20.0 @ 10	660/567	—	4.05	3.45	3.25	3.09
206560CB	LTP2157AG ⊕	—	2.0"	Green	5 x 7 CC/AR	14	3.7 @ 80	4.8 @ 80	565	—	~~$2.59~~ 1.85	1.65	1.49	1.34
183265CB	LMD5821ASR-20 ⊕	—	2.3"	Red	5 x 8 CC/AR	14	1.7 @ 20	12 @ 20	660	—	4.95	4.49	3.95	2.96
308110CB	LJ4071-22 EWRN ⊕	—	3.60"	Red; gray face	5 x 7 CC/AR	14	3.4 @ 20	30.4 @ 10	660	—	4.39	4.06	3.59	3.23
308128CB	LJ4071-22 BRRN ⊕	—	3.60"	Red; black face	5 x 7 CC/AR	14	3.4 @ 20	30.4 @ 10	660	—	4.39	4.06	3.59	3.23
308136CB	LJ4071-22 BWRN ⊕	—	3.60"	Red; red face	5 x 7 CC/AR	14	3.4 @ 20	30.4 @ 10	660	—	4.39	4.06	3.59	3.23
334511CB	UL10000-E-EWAK† ⊕	—	—	Green	10-SEG.	4	2.1 @ 20	1.4 @ 10	567	—	1.22	.99	.81	.65
334529CB	UL10000-HR-RRAK† ⊕	—	—	Red	10-SEG.	4	2.1 @ 20	1.6 @ 10	635	—	1.18	.95	.78	.63
334537CB	UL10000-Y-EWAK† ⊕	—	—	Yellow	10-SEG.	4	2.1 @ 20	1.1 @ 10	585	—	1.15	.93	.77	.61

* CA-Common Anode/CC-Common Cathode/AC-Anode Column/CR-Cathode Row/AR-Anode Row # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point † Bargraph

2-50mA LED Tester



This pocket-size LED tester makes it easy to check functionality, color, brightness and uniformity. Plug any leaded LED into one of 12 positions on the socket strip to test at current ratings from 2-50mA. The seven middle positions on the strips are set at 10mA allowing comparison of LEDs in those spaces.

Requires: 9V battery (recommend P/N 198791CB, pg 225)

- Size: 3.2"L x 2.4"W x 0.9"H

Lower $$$

Part No.	Description	Price
354968CB	LED tester ⊕	~~$8.55~~ $7.95

JAMECO BenchPro 2-150mA LED Tester



Pocket-size LED tester makes it easy to check functionality, color, brightness and uniformity. Plug any leaded LED into one of the 13 positions on the tester at current ratings ranging from 2-30mA. Another 13 position strip ranging from 20mA to 150mA to test other types of LEDs with ACA (anode-cathode-anode) or CAC (cathode-anode-cathode) pin configuration. Includes 9V battery.

- Size: 3.1" L x 2.2" W x 0.9" H

Part No.	Description	Price
355805CB	LED tester ⊕	$8.95

velleman 2-Digit Serial LED Display with Serial Interface Kit



- Bright, red jumbo-sized 7-segment displays (57mm)
- Easy platform control via RS-232 3-wire interface
- Multiple units can be linked easily to create large readout for score-keeping, timing, counting and other applications
- Up to 255 units can be separately addressed
- Power supply: 9-12VDC @ 120mA per display
- RS-232 interface: 2400 baud/8 data bits/ no parity/one stop bit
- Size: 2.9"H x 2.3"W x 1.3"D

Part No.	Description	Price
645221CB	LED display ⊕	$47.29

NEW

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Infrared and Visible Light Emitters and Detectors

A Jameco EXCLUSIVE

- Use for remote control and/or for fiber optics
- **P/N 133946CB:** Can be used with cameras, see page 255 (peak emission wavelength: 940nm @ 20mA)

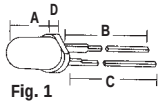


Fig. 1

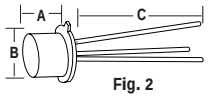


Fig. 2


Fig. 3


Fig. 4

Part No.	Cross Ref. No.	Fig.	Description	Size	Diameter inch/mm	Dimensions (inches) A	B	C	D	Vf @ If	nm	mWatts	Pricing 1	10	100	1000
372710CB	UT0383-41-940 ⊕	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3V @ 50mA	940	13	**$.23**	**$.225**	**$.151**	**$.136**
372728CB	UT0385-41-880 ⊕	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3V @ 50mA	880	13	**.30**	**.28**	**.176**	**.165**
372736CB	UT1883-81-880[1] ⊕	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.30	0.88	0.94	0.04	1.5V @ 50mA	880	16	**.32**	**.22**	**.176**	**.167**
372744CB	UT1885-81-880[2] ⊕	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.30	0.88	0.94	0.04	1.5V @ 50mA	880	16	**.30**	**.28**	**.176**	**.167**
372761CB	UT1883-81-940 ⊕	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.3	0.88	0.94	0.04	1.3V @ 50mA	940	16	**.25**	**.197**	**.129**	**.116**
372779CB	UT1885-81-940 ⊕	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.3	0.88	0.94	0.04	1.3V @ 50mA	940	16	**.29**	**.23**	**.151**	**.136**
372816CB	UT6W83-AE-940 ⊕	4	Infrared emitter diode (GaAs), sidelook	4.45mm x 2.31mm	—	—	—	—	—	1.3V @ 50mA	940	50	**.29**	**.23**	**.144**	**.13**
372963CB	UT0393-46-0125[1] ⊕	1	Infrared phototransistor	T1	0.125/3	0.16	0.88	0.94	0.04	—	—	—	**.25**	**.24**	**.185**	**.167**
372971CB	UT0395-46-0125[2] ⊕	1	Infrared phototransistor	T1	0.125/3	0.16	0.88	0.94	0.04	—	—	—	**.25**	**.24**	**.185**	**.167**
373000CB	UT1893-91-0125 ⊕	1	Infrared phototransistor	T1 3/4	0.200/5	—	—	—	—	—	—	—	**.26**	**.25**	**.192**	**.173**
373042CB	UT6W93-AE-0125 ⊕	4	Infrared phototransistor, side view	4.45mm x 2.31mm	—	—	—	—	—	—	—	—	**.30**	**.28**	**.22**	**.198**
Other Manufacturers																
112150CB	LIR2043 ⊕	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.18	0.95	0.98	0.03	1.2V @ 20mA	940	5	**$.22**	**$.18**	**$.14**	**$.12**
133946CB	SLI-0308CP ⊕	1	Infrared emitter diode (GaAs)	T1	0.12/3	0.22	0.98	1.00	0.03	1.3V @ 50mA	940	4	**.62**	**.53**	**.40**	**.31**
112176CB	LPT2023 ⊕	1	Infrared phototransistor	T1	0.12/3	0.18	0.95	0.98	0.03	—	940	—	**.39**	**.29**	**.19**	**.15**
106526CB	LVIR3333 ⊕	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.34	0.78	0.84	0.04	1.2V @ 20mA	940	8	**.39**	**.29**	**.19**	**.15**
112168CB	LPT3313 ⊕	1	Infrared phototransistor	T1 3/4	0.200/5	0.31	1.05	1.10	0.04	—	940	—	**.36**	**.30**	**.24**	**.20**
120221CB	BPW77NA ⊕	2	Visible light phototransistor	TO-18	—	0.24	0.19	0.52	—	—	850	—	**1.99**	**1.89**	**1.55**	**1.21**
172321CB	OP133 ⊕	3	Infrared emitter diode (GaAs)	TO-46	—	0.22	0.18	1.05	0.20	1.4V @ 100mA	935	5	**2.15**	**1.95**	**1.69**	**1.59**

Lens color: 1 = water clear; 2 = blue clear

LED Replacement Lamps

A Jameco EXCLUSIVE

585 Series Non-Polarized

- Low current draw – 90% less energy than incandescent
- No heat generated
- Long life – up to 100k hours
- Mounts directly into industry standard socket

Multi-Chip Based LED T1 - Midget Flange

- Replaces incandescent lamp numbers: 327, 328, 330, 345, 350, 376, 377, 380, 381, 382, 385, 387, and 7341

Part No.	Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing 1	10	100
392673CB	585-1223 ⊕	Ultra Red	14	20	280	625	**$5.79**	**$5.65**	**$4.48**
392681CB	585-1323 ⊕	Green	14	14	500	525	**5.49**	**5.35**	**4.25**
392690CB	585-1423 ⊕	Yellow	14	20	530	588	**5.49**	**5.35**	**4.25**
392702CB	585-1225 ⊕	Red	28	4.5	350	625	**5.79**	**5.65**	**4.48**
392711CB	585-1325 ⊕	Green	28	4.5	300	525	**5.49**	**5.35**	**4.25**
392729CB	585-1425 ⊕	Yellow	28	4.5	450	588	**5.49**	**5.35**	**4.25**


392690CB



Cluster-Based LED T3 - Miniature Bayonet (BA9s)

- Replaces incandescent lamp numbers: 44, 47, 313, 755, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

Part No.	Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing 1	10	100
392551CB	585-5223 ⊕	Red	14	20	7000	630	**$12.19**	**$10.79**	**$10.39**
392569CB	585-5323 ⊕	Green	14	20	6500	525	**12.19**	**10.79**	**10.39**
392585CB	585-5523 ⊕	Yellow	14	20	7000	588	**12.79**	**12.29**	**10.87**
392593CB	585-5225 ⊕	Red	28	15	6500	630	**12.35**	**11.85**	**10.39**
392606CB	585-5325 ⊕	Green	28	15	6000	525	**11.29**	**11.01**	**9.48**
392622CB	585-5525 ⊕	Yellow	28	15	6000	588	**12.95**	**12.36**	**10.87**
392631CB	585-5256 ⊕	Red	120VAC	5.5	6500	625	**9.89**	**9.64**	**8.31**
392649CB	585-5356 ⊕	Green	120VAC	5.5	7000	525	**9.65**	**9.41**	**8.10**
392665CB	585-5556 ⊕	Yellow	120VAC	5.5	6500	590	**11.15**	**10.87**	**9.35**


392569CB



Bayonet Based LED T3

- Replaces incandescent lamp numbers: 44, 47, 313, 755, 757, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

Part No.	Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing 1	10	100
394476CB	585-4123 ⊕	Red	14	20	550	630	**$7.85**	**$7.24**	**$5.28**
394492CB	585-4125 ⊕	Red	28	14	350	630	**7.85**	**7.24**	**5.28**


394476CB



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

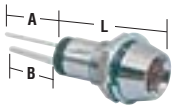
LED Panel-Mount Indicators

- Easy panel installation
- Panel/status/instrument indicators

141111CB/141129CB/141137CB: Chrome housing
236419CB: Black nylon housing


236419CB


141111CB



141129CB/141137CB

Part No.	Cross Ref. No.	LED Size	Color	Dimensions (in.) L	A	B	Mounting Hole	Vf @ If	Pricing 1	10	100	1000
141111CB	L922SRD ⊕	T1	Red	.56	.34	.25	.23"	2V @ 20mA	$.79	$.60	$.52	$.45
141129CB	L913RD ⊕	T1	Red	.56	.39	.32	.24"	2V @ 20mA	1.09	.81	.69	.61
236419CB	5102H1-12V ⊕	T1 3/4	Red	.53	6.0	6.0	.25"	12V @ 15mA	1.19	1.07	.86	.64
141137CB	L917RD ⊕	T1 3/4	Red	.70	.55	.47	.31"	2V @ 20mA	.89	.79	.71	.55
637183CB	UT2U1G-H113-R801-W05 ⊕	T1 3/4	Green	.55	5.5	5.5	.24"	12V @ 30mA	1.29	1.05	.87	.76

Incandescent Panel Mount Lamps

- 215781CB/215790CB/215773CB: wire length - 3.9" (100mm)
- 215749CB/215757CB/215765CB: wire length - 4.9" (125mm)
- 215714CB/215722CB/215731CB: solder terminals - 0.196" (5mm)


Fig. 1


Fig. 2


Fig. 3

Part No.	Cross Ref. No.	Fig.	Voltage	Color	Mounting Hole	1	10	100
215773CB	R9-46B-W100-12V-R ⊕	1	12	Red	1/2" (13mm)	$1.79	$1.61	$1.20
215781CB	R9-46B-W100-12V-Y ⊕	1	12	Yellow	1/2" (13mm)	1.65	1.45	1.19
215790CB	R9-46B-W100-12V-G ⊕	1	12	Green	1/2" (13mm)	1.79	1.61	1.20
215749CB	R9-55B-W130-12V-R ⊕	2	12	Red	9/32" (7mm)	1.79	1.59	1.35
215757CB	R9-55B-W130-12V-Y ⊕	2	12	Yellow	9/32" (7mm)	1.65	1.45	1.19
215765CB	R9-55B-W130-12V-G ⊕	2	12	Green	9/32" (7mm)	1.79	1.59	1.35
215714CB	R9-71B-05-12V-R ⊕	3	12	Red	5/8" (16mm)	1.79	1.61	1.20
215722CB	R9-71B-05-12V-Y ⊕	3	12	Yellow	5/8" (16mm)	1.65	1.45	1.19
215731CB	R9-71B-05-12V-G ⊕	3	12	Green	5/8" (16mm)	1.79	1.61	1.20

Cluster-Type T1¾ LED Lamp

- Cluster-type red/green T1 3/4 LEDs
- Lens: water clear • Common anode
- 14 cluster (8 green/6 red)
- 660nm for red/570nm for green
- 3 lead wires



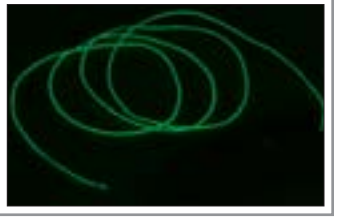
Part No.	Product No.	Vf @ If	mcd @ mA	Lead Wire	Mounting Hole Dia.	Dimensions (Dia." x L")	Pricing 1	10	100
150922CB	LCR2614B-79 ⊕	10V @ 20mA	1950 @ 20	7"	M3	1.02 x 1.51	$4.95	$4.21	$3.16

Electroluminescence Wires

Imagine the possibilities of transforming ordinary objects with high tech visual effects. Wrap these fluorescent wires around any objects such as musical instruments, models, science projects, and presentation boards. Super charge your projects with brilliant colors.

- Powered by 2 AA batteries
- Length: 4.5'

velleman



Part No.	Product No.	Color	1	10	25
263484CB	NWRB15 ⊕	Blue	$21.95	$20.95	$19.95
263505CB	NWRG15 ⊕	Green	21.95	20.95	19.95
263492CB	NWRR15 ⊕	Red	21.95	20.95	19.95

Neon Panel Mount Lamps

- Input voltage: 120V
- Mounting hole diameter: 5/8" (16mm)
- Solder terminals: 0.196" (5mm)

215802CB: Red
215811CB: Yellow
215829CB: Green


215802CB


215829CB

Part No.	Cross Ref. No.	1	10	100
215802CB	R9-71N-05-120V-R ⊕	$1.79	$1.59	$1.35
215811CB	R9-71N-05-120V-Y ⊕	1.79	1.59	1.35
215829CB	R9-71N-05-120V-G ⊕	1.79	1.59	1.35

Miniature Fluorescent Lamps

Add fluorescent color to your projects, computer case, car and other displays with these economical lights. Now you can easily and affordably mount these 4" light tubes to add cool cold-cathode effects and give your display a richer look and feel. Optional power supply below converts 12VDC input into 180V – 800V output needed by lights.


239610CB


239636CB

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Part No.	Prod. No.	Description	1	10	25
239610CB	FLW1 ⊕	White light	$9.95	$8.95	$7.95
239572CB	FLB1 ⊕	Blue light	9.95	8.95	7.95
239581CB	FLBL1 ⊕	Black light	9.95	8.95	7.95
239628CB	FLY1 ⊕	Yellow light	9.95	8.95	7.95
239601CB	FLP1 ⊕	Pink light	9.95	8.95	7.95
239599CB	FLG1 ⊕	Green light	9.95	8.95	7.95
239636CB	FLPS1 ⊕	12VDC PS	9.95	8.95	7.95

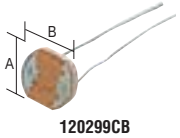
Commercial Customers

Open an account with us to consolidate your monthly billing and save time.

Just call us! 1-800-831-4242

CdS Photocells

- Applications include: auto-focus lenses, exposure meters, contrast controls for TVs, dimmer or light switches, flame detectors, electronic toys, street lamp switches, optocouplers
- Generate variable signal based on detection of light levels • Soldering: 230°C for 3 seconds • Operating temperature: -30°C to +70°C • Cadmium Sulfide (CdS)

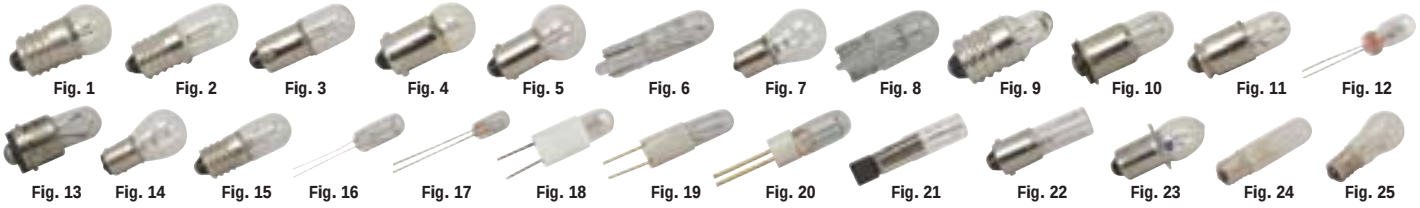


120299CB


202438CB

Part No.	Cross Ref. No.	Rating Vp	mW	Resistance (Ω) Dark	Light	Size (inches) A	B	Lead Spacing (inches)	Lead Length (inches)	Pricing 1	10	100	1000
136055CB	CDST08 ⊕	50	200	100k	10k	0.40	0.44	0.30	1.50	$.89	$.80	$.69	$.52
202366CB	CDS0029001 ⊕	150	90	300k	4k	0.14	0.17	0.10	1.02	1.69	1.52	1.22	.91
120310CB	CDS0029004 ⊕	150	90	2M	27k	0.14	0.17	0.10	1.44	1.45	1.20	1.09	.99
202391CB	CDS0029203 ⊕	150	90	10M	5k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	1.09
202382CB	CDS0029008 ⊕	150	90	20M	10k	0.14	0.17	0.10	1.02	1.49	1.34	1.21	.99
202420CB	CDS0018003 ⊕	150	100	500k	16k	0.17	0.20	0.13	1.02	.78	.70	.64	.58
202403CB	CDS0018001 ⊕	150	100	200k	3k	0.17	0.20	0.13	1.02	1.49	1.35	1.19	1.09
202411CB	CDS0018006 ⊕	150	100	5M	80k	0.17	0.20	0.13	1.02	.69	.65	.59	.55
202438CB	CDS0037004 ⊕	200	150	500k	15k	0.25	0.29	0.20	1.02	1.49	1.34	1.07	.96
120301CB	CDS0037001 ⊕	200	150	300k	3k	0.25	0.29	0.20	1.02	1.79	1.59	1.45	1.29
120299CB	CDS0045001 ⊕	350	400	300k	8k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.29
202454CB	CDS0045003 ⊕	350	400	1M	12k	0.37	0.43	0.30	1.44	1.69	1.55	1.35	1.15

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



Incandescent Lamps

Quantity SAVE

✳ Prepackaged: order in increments of 5, 10 or 100

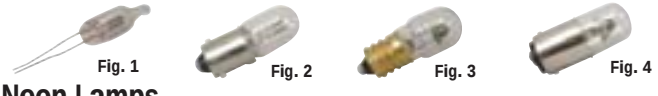
Part No.	Cross Ref. No.	Fig.	Description	Volts	MSCP	Pricing 1	5	10	100
209381CB	13⊕	1	G3 1/2 miniature screw	3.7	.98	$.79	$.75	$.69	$.52
209390CB	14⊕	1	G3 1/2 miniature screw	2.47	.50	.55	.52	.49	.45
209402CB	40⊕	2	T3 1/4 miniature screw	6.3	.50	.35	.29	.19	.15
209411CB	44⊕	3	T3 1/4 miniature bayonet	6.3	.90	✳	.19	.188	.141
209429CB	46⊕	2	T3 1/4 miniature screw	6.3	.90	.45	.37	.32	.27
209437CB	47⊕	3	T3 1/4 miniature bayonet	6.3	.50	✳	.19	.188	.141
209445CB	50⊕	1	G3 1/2 miniature screw	7.5	1.0	.59	.53	.45	.337
210403CB	51⊕	4	G3 1/2 miniature bayonet	7.5	1.0	.42	.35	.29	.24
209453CB	53⊕	4	G3 1/2 miniature bayonet	14.4	1.0	.54	.484	.429	.322
210411CB	55⊕	5	G4 1/2 miniature bayonet	7.0	2.0	✳	.20	.14	.09
209461CB	73⊕	6	T1 3/4 wedge	14.0	.30	✳	.19	.188	.141
209470CB	85⊕	6	T1 3/4 wedge	28.0	.30	✳	.24	.21	.158
209488CB	86⊕	6	T1 3/4 wedge	6.3	.40	✳	.19	.171	.128
209496CB	93⊕	7	S-8 sngl contact bayonet	12.8	15.0	.59	.53	.45	.335
209509CB	161⊕	8	T3 1/4 wedge	14.0	1.0	.35	.31	.24	.18
209517CB	168⊕	8	T3 1/4 wedge	14.0	3.0	.35	.30	.24	.18
209525CB	194⊕	8	T3 1/4 wedge	14.0	2.0	✳	.19	.185	.139
209533CB	222⊕	9	GTL-3 miniature screw	2.25	— $0.34	.28	.27	.229	.172
209541CB	259⊕	8	T3 1/4 wedge	6.3	.65	.22	.19	.184	.138
209550CB	313⊕	3	T3 1/4 miniature bayonet	28.0	3.5 $0.34	.23	.21	.198	.149
209568CB	327⊕	10	T1 3/4 midget flange	28.0	.34	.27	.26	.24	.23
209576CB	328⊕	10	T1 3/4 midget flange	6.0	.60 $0.49	.41	.39	.36	.27
209584CB	330⊕	10	T1 3/4 midget flange	14.0	.50 $0.45	.32	.305	.288	.251
209592CB	334⊕	11	T1 3/4 midget groove	28.0	.34 $0.45	.33	.31	.278	.22
209605CB	335⊕	15	T1 3/4 midget screw	28.0	.34 $0.49	.40	.385	.346	.26
209613CB	344⊕	10	T1 3/4 midget flange	10.0	.002	.99	.89	.76	.57
209621CB	345⊕	10	T1 3/4 midget flange	6.0	.03 $0.59	.56	.53	.45	.337
209630CB	370⊕	10	T1 3/4 midget flange	18.0	.15 $1.09	.54	.482	.433	.325
209648CB	376⊕	10	T1 3/4 midget flange	28.0	.34 $0.59	.34	.309	.277	.25
209656CB	379⊕	11	T1 3/4 midget groove	6.3	.40	.69	.62	.53	.395
209664CB	381⊕	10	T1 3/4 midget flange	6.3	.40 $0.49	.38	.365	.344	.251
209672CB	382⊕	10	T1 3/4 midget flange	14.0	.30	.61	.56	.49	.368
209681CB	385⊕	10	T1 3/4 midget flange	28.0	.15	.61	.55	.47	.353
209699CB	386⊕	11	T1 3/4 midget groove	14.0	.30	.45	.39	.33	.27
209701CB	387⊕	10	T1 3/4 midget flange	28.0	.30 $0.39	.44	.37	.25	.23
209710CB	388⊕	11	T1 3/4 midget groove	28.0	.30	.32	.305	.288	.23
209728CB	394⊕	10	T1 3/4 midget flange	12.0	.12 $0.61	.36	.35	.32	.24
209736CB	656⊕	8	T3 1/4 wedge .06A	28.0	.62	.24	.22	.20	.18
209752CB	657⊕	8	T3 1/4 wedge .08A	28.0	.62 $0.34	.23	.205	.184	.138
202100CB	683⊕	12	T1 wire terminal	5.0	.05	.54	.429	.385	.308
209761CB	685⊕	13	T1 sub midget flange	5.0	.05 $1.25	.55	.493	.44	.40
209779CB	715⊕	12	T1 wire terminal	5.0	.15	.91	.82	.70	.525
209787CB	755⊕	3	T3 1/4 miniature bayonet	6.3	.33	.49	.44	.37	.30
209795CB	756⊕	3	T3 1/4 miniature bayonet	14.0	.31 $0.74	.40	.38	.328	.246
209808CB	757⊕	3	T3 1/4 miniature bayonet	28.0	.62	.42	.35	.32	.27
210438CB	1156⊕	7	S-8 sngl contact bayonet	12.8	32	.49	.45	.39	.35
210446CB	1157⊕	14	S-8 double contact index	12.8/14	32/3	.45	.39	.35	.29
209816CB	1450⊕	4	G3 1/2 miniature bayonet	24.0	.23	.99	.89	.76	.57
209824CB	1813⊕	3	T3 1/4 miniature bayonet	14.4	.86 $0.35	.28	.26	.232	.174
209832CB	1815⊕	3	T3 1/4 miniature bayonet	14.0	1.4	.38	.34	.293	.22
209841CB	1816⊕	3	T3 1/4 miniature bayonet	13.0	3.0 $0.35	.24	.22	.208	.156
209859CB	1818⊕	3	T3 1/4 miniature bayonet	24.0	3.3 $0.99	.81	.78	.75	.56
209867CB	1819⊕	3	T3 1/4 miniature bayonet	28.0	.34 $0.34	.23	.21	.198	.149
209875CB	1820⊕	3	T3 1/4 miniature bayonet	28.0	1.6 $0.49	.30	.28	.26	.195
209883CB	1821⊕	15	T3 1/4 screw	28.0	3.4	.99	.89	.79	.59
209891CB	1822⊕	3	T3 1/4 miniature bayonet	36.0	2.1 $0.49	.29	.28	.27	.203
209904CB	1829⊕	3	T3 1/4 miniature bayonet	28.0	1.0 $0.35	.23	.21	.208	.156

Incandescent Lamps (Continued)

Lower $$$

✳ Prepackaged: order in increments of 5, 10 or 100

Part No.	Cross Ref. No.	Fig.	Description	Volts	MSCP	Pricing 1	5	10	100
209912CB	1835⊕	3	T3 1/4 miniature bayonet	55.0	1.1 $0.61	$.36	$.35	$.342	$.257
209921CB	1847⊕	3	T3 1/4 miniature bayonet	6.3	.38	.55	.49	.36	.27
209939CB	1850⊕	3	T3 1/4 miniature bayonet	5.0	.25	.50	.45	.38	.285
209947CB	1864⊕	3	T3 1/4 miniature bayonet	28.0	3.0	.55	.50	.40	.30
209955CB	1866⊕	3	T3 1/4 miniature bayonet	6.3	.65	.59	.55	.53	.396
209963CB	1891⊕	3	T3 1/4 min. bayonet .24A	14.0	2.0	.38	.365	.352	.264
209971CB	1893⊕	3	T3 1/4 min. bayonet .33A	14.0	2.0	.42	.385	.368	.276
141073CB	2182⊕	16	T1 3/4 wire terminal	14.0	.30	.49	.44	.39	.34
141065CB	2200⊕	16	T1 3/4 wire terminal	5.0	.05	.59	.54	.49	.44
141057CB	6833⊕	17	T 3/4 wire terminal	5.0	.05	1.25	1.15	1.07	.80
209998CB	7219⊕	12	T1 wire terminal	12.0	.15	.35	.29	.25	.19
210008CB	7328⊕	18	T1 3/4 bi-pin	6.0	.60	.89	.79	.69	.59
210016CB	7335⊕	10	T1 3/4 midget flange	5.0	.15	.69	.59	.49	.39
210024CB	7341⊕	10	T1 3/4 midget flange	28.0	.65 $0.79	.69	.66	.54	.405
141006CB	7361⊕	18	T1 3/4 bi-pin	5.0	.05	.99	.89	.79	.69
210032CB	7382⊕	18	T1 3/4 bi-pin	14.0	.30	.61	.49	.44	.33
210041CB	7387⊕	18	T1 3/4 bi-pin	28.0	.30	.61	.56	.49	.36
210059CB	7632⊕	19	T1 1/4 bi-pin	28.0	.32	1.29	.99	.89	.67
210067CB	7683⊕	20	T1 bi-pin	5.0	.05	1.19	1.07	.91	.68
210075CB	7715⊕	20	T1 bi-pin	5.0	.15	1.19	.99	.89	.79
210083CB	7839⊕	20	T1 bi-pin	28.0	.15	1.49	1.24	1.11	.83
210227CB	6PSB⊕	21	T2 tel. slide base type 5	6.0	550	.63	.57	.48	.36
309673CB	6S6	25	S6 candelabra	120	—	.84	.80	.76	.57
210112CB	12ESB⊕	21	T2 tel. slide base type 5	12.0	650	.54	.49	.41	.34
210121CB	12PSB⊕	21	T2 tel. slide base type 5	12.0	2000	.54	.49	.41	.34
309681CB	20T6 1/2	24	T6 1/2 20W intermediate	120	—	1.69	1.59	1.55	1.16
210139CB	24ESB⊕	21	T2 tel. slide base type 5	24.0	850	.54	.49	.41	.34
210147CB	24MB⊕	22	T2 miniature bayonet	24.0	3000	.99	.89	.76	.57
210155CB	24PSB⊕	21	T2 tel. slide base type 5	24.0	3000	.54	.49	.41	.34
210163CB	28ESB⊕	21	T2 tel. slide base type 5	28.0	1500	.69	.62	.53	.39
210171CB	28MB⊕	22	T2 miniature bayonet	28.0	1600	1.09	.98	.83	.62
210180CB	28PSB⊕	21	T2 tel. slide base type 5	28.0	1600	.69	.62	.53	.395
210198CB	48PSB⊕	21	T2 tel. slide base type 5	48.0	1800	.89	.80	.68	.51
210201CB	60MB⊕	22	T2 miniature bayonet	60.0	2200	1.09	.98	.83	.62
210219CB	60PSB⊕	21	T2 tel. slide base type 5	60.0	2200	.69	.59	.55	.49
210091CB	120MB⊕	22	T2 miniature bayonet	120.0	1200	.86	.81	.74	.61
210104CB	120PSB⊕	21	T2 tel. slide base type 5	120.0	1200	.69	.65	.59	.55
210340CB	PR2⊕	23	B3 1/2 sngl cont. mini flange	2.38	.80	✳	.24	.20	.15
210358CB	PR3⊕	23	B3 1/2 sngl cont. mini flange	3.57	1.5	.24	.20	.18	.135
210366CB	PR4⊕	23	B3 1/2 sngl cont. mini flange	2.33	.40	✳	.24	.20	.15
210374CB	PR6⊕	23	B3 1/2 sngl cont. mini flange	2.47	.45	✳	.24	.20	.15



Neon Lamps

Quantity SAVE

Part No.	Cross Ref. No.	Fig.	Description	Voltage	Pricing 1	5	10	100
27351CB	A1A (NE-2)⊕	1	Wire terminal .6mA	65-120	$.42	$.35	$.31	$.26
210243CB	A1B⊕	1	Wire terminal .3mA	65-120 $0.34	.25	.24	.232	.174
210251CB	A1C⊕	1	Wire terminal 1.2mA	65-120	.45	.39	.29	.25
210260CB	A9A (NE-2E)⊕	1	Wire terminal .7mA	65-120	.25	.238	.232	.174
210278CB	B1A (NE-51)⊕	2	T3 1/4 miniature bayonet	65-120	.79	.75	.69	.59
210286CB	B2A (NE-51H)⊕	2	T3 1/4 miniature bayonet	65-120	.86	.74	.61	.49
210294CB	B7A (NE-45)⊕	3	T4 1/2 candelabra screw	65-120	3.99	3.49	2.99	2.49
210307CB	B9A (NE-48)⊕	4	T4 1/2 D.C. bayonet	65-120	2.99	2.69	2.29	1.71
210315CB	C2A (NE-2H)⊕	1	Wire terminal	65-120	.45	.39	.35	.26

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

CDE Polyester Film Capacitors



158X Series Type X2 Suppressors Metallized, Radial Lead
- Leads in two lengths • Voltage range: 250VAC
- Operating temp.: -40° to 100°C

160 Series Metallized Radial Lead
- Operating temp.: -55° to 125°C
- Voltage range: 63VDC to 100VDC

167/184 Series Metallized Radial Lead
- Operating temp.: -55° to 125°C
- Voltage range: 63VDC to 630VDC

168/185 Series Metallized Radial Lead
- Operating temp.: -55° to 125°C
- Voltage range: 50VDC to 400VDC

Type DME Metallized Radial Lead
- Voltage range: 100-1000VDC
- Tolerance: ±10% (K); ±5% (J)
- Operating temp.: -55°C to 125°C

Type DMT, Film Foil, High Peak Currents, High Insulation Resistance Radial Lead
- Voltage range: 100-630VDC
- Tolerance: ±10% (K); ±5% (J)
- Operating temp.: -55°C to 125°C

Type DSF Stacked Metallized Radial Lead
- Voltage range: 50-100VDC
- Tolerance: ±5% (J) • Op. temp.: -40°C to 85°C

Type MMP Metallized Oval, Axial Lead
- Voltage range: 100-630VDC
- Operating temp.: -55°C to 125°C

Type 150 Metallized Axial Lead
- Voltage range: 63-1000VDC
- Operating temp.: -55°C to 125°C

Type MMWA High Capacitance, High Voltage Metallized, Axial Lead
- Voltage range: 50-1000VDC
- Operating temp.: -55°C to 125°C

Type WMF, Film/Foil, Axial Lead
- Voltage range: 50-630VDC
- Operating temp.: -55° to 125°C
- Insulation resistance: 100,000MΩ

Type Q/QRL (QUENCHARC®)
- Voltage range: 200VDC-600VDC
- Op. temp: -55° to 85°C • Noise & arc suppression

See Our Complete CDE Polyester Offering at
www.Jameco.com/Prod/CDEPolyester

CDE Dipped Mica Capacitors



Type CD5, CD6, CD7 Mini
- Voltage range: 50-500VDC
- Temp. range: -55°C to 125°C
- 20,000 V/µs dV/dT pulse capability min.

Type CD10, CD15, CD19 Standard
- Voltage range: 100-2500VDC
- Temp. range: -55° to 125°C (O) -55°C to 150°C (P)

Type CDV16 Snubber & RF Applications
- Voltage range: 500-1000VDC
- Temp. range: -55° to 125°C
- Handle up to $9A_{RMS}$ continuous current

See Our Complete CDE Mica Offering at
www.Jameco.com/Prod/CDEMica

CDE Polypropylene Film Capacitors



Type 935 Metallized Axial Lead
- Voltage range: 100-400VDC
- Capacitance tolerance: ±10% (K); ±5% (J)
- Operating temp.: -55° to 105°C

Type 940C High dV/dT, Round Metallized Axial Lead
- Voltage range: 600-3000VDC • Tolerance: ±10%
- Operating temp.: -55° to 105°C

Type DPPM Compact Snubber Film/Foil
- Voltage range: 1000-2000VDC
- Operating temp.: -40°C to 105°C
- Tolerance: ±10% (K); ±5% (J); ±20% (M)

PVC Series Film/Foil Radial Lead
- Non-inductively wound

Type MPF AC Metallized Motor Run
- Voltage range: 330, 370 and 440VAC
- Operating temp.: -40° to 70°C

See Our Complete Polypropylene Offering at
www.Jameco.com/Prod/CDEPolypropylene

CDE Ceramic Capacitors



Type CK MIL-11015 & 39014 Multilayer
- Radial & axial leaded
- Molded case construction
- Voltage range: 50/100/200VDC

GE/GP General Purpose Disc
- Radial leads
- Temp. range: -30°C to 85°C
- Insulation resistance: 10,000MΩ

HT Series EIA Class 2 Temp/Frequency
- Temp. range: -30°C to 85°C
- Insulation resistance: 10,000MΩ

M15 to M50 Series Multilayer
- Radial leaded, conformal coated
- Voltage range: 50/100/200VDC



M60 Series Multilayer
- Radial leaded conformal coated
- Operating temp.: -55°C to 125°C

P10-P40 Series Multilayer
- Voltage range: 50/100/200VDC
- Axial leaded conformal coated

See Our Complete CDE Ceramic Offering at
www.Jameco.com/Prod/CDECeramic

CDE SMT Aluminum Capacitors



Type AVS SMT 85°C
- Operating temp.: -40° to 85°C
- Tolerance: ±20% @ 120Hz & 20°C
- Leakage current: 0.01CV or 3µA @ 20°C whichever is greater

SPA ESRD/ESRE Solid Polymer
- Low impedance • Voltage range: 2-16VDC
- Ultra low ESR; 10mΩ @ 100kHz

Type SGV
• Voltage range: 4-50VDC

See Our Complete CDE SMT Offering at
www.Jameco.com/Prod/CDESMT

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

CDE Aluminum Electrolytic Capacitors



Type CGH High Voltage Screw Terminal Computer Grade
- Voltage range: 250-500VDC
- Temp. range: -40° to 85°C
- High ripple current

Type CGO Computer Grade
- Voltage range: 5-55VDC
- Temp. range: -40° to 85°C

Type CGR High Temperature Screw Terminal Computer Grade
- Voltage range: 7.5-200VDC
- Temp. range: -40° to 105°C •High ripple current

Type CGS Screw Terminal Computer Grade
- Voltage range: 6.3-500VDC
- Temp. range: -40° to 85°C • High CV product

Type SEK/SK Radial Lead
- Voltage range: 6.3-450VDC •Tolerance: ±20%

Type SKA Axial Lead
- Tolerance: ±20% • High CV
- Voltage range: 6.3-450VDC



Type TC Axial Lead
- Voltage range: 16-450VDC
- Operating temp.: -40°C to 85°C
- High reliability w/ high ripple

Type TCG Axial Lead Computer Grade
- Voltage range: 6-450VDC • Op. temp.: -40°C to 85°C

Type TKA Axial Lead
- Long life, small size • Voltage range: 6.3-450VDC
- Operating temp.: -40°C to 105°C

Type SN 85˚C Non-Polar
- Capacitance range: 0.47-2200µF
- Voltage range: 6.3-85VNP
- Operating temp.: -40°C to 105°C

See Our Complete CDE Electrolytic Offering at
www.Jameco.com/Prod/CDEElectrolytic

CDE Radial Snap-In Capacitors

Type 380LX, 85°C High Capacitance
- -40°C to 85°C up to 300VDC, -25°C to 85°C ≥315V
- Leakage current: ≤3 CV or 3µA @ 5 min.

Type 381LX 105°C High Ripple
- -40°C to 105°C up to 315VDC
  -25°C @ 350VDC & up to 450VDC
- Leakage current: ≤3 CV or 3µA



Type LP
- Operating temp.: -40°C to 105°C
- Voltage range: 16-250VDC

Type LPX • Operating temp: -40°C to 85°C
- Voltage range: 160-450VDC • Tolerance: ±20%

See Our Complete CDE Snap-In Offering at
www.Jameco.com/Prod/CDESnapIn

CDE Miscellaneous Capacitors



Type PSU AC Motor Start
- Dual quick connect terminals
- Voltage range: 110-330VAC
- Operating temp: -40°C to 65°C

Type SCRN Film-Paper/ Extended Foil Commutating Capacitor
- Voltage range: 200-2000 Vpk • Tolerance: ±10%

See Our Complete CDE Offering at
www.Jameco.com/Prod/CDEOther

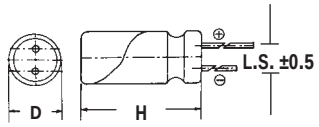
JAMECO ValuePro



A Jameco EXCLUSIVE

Aluminum Radial-Lead Electrolytic Capacitors (±20%)

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† **CROSS REFERENCES: Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Nichicon:** LB/VX/USA/SR/SA; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

NEW

85°C – General Purpose

✳ Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
609043CB	UVR2A0R1MDD ♻	0.1	100V	5 x 11 x 2	✳	$.098	$.081	$.055
609078CB	UVR2AR22MDD ♻	0.22	100V	5 x 11 x 2	✳	.095	.078	.048
609086CB	UVR2AR33MDD ♻	0.33	100V	5 x 11 x 2	✳	.095	.078	.048
330464CB	RA0.47/50 ⊕	0.47	50V	5 x 11 x 2	✳	.045	.039	.03
609094CB	UVR2AR47MDD ♻	0.47	100V	5 x 11 x 2	✳	.095	.078	.048
330536CB	RA.47/160 ⊕	0.47	160V	5 x 11 x 2	✳	.151	.103	.07
330430CB	RA1/25 ⊕	1	25V	5 x 11 x 2	✳	.045	.039	.03
94160CB	5R1/50 ⊕	1	50V	4 x 5 x 1.5	✳	.12	.08	.05
29832CB	R1/50 ⊕	1	50V	5 x 11 x 2	✳	.063	.053	.042
609035CB	UVR2A010MDD ♻	1	100V	5 x 11 x 2	✳	.098	.082	.055
330544CB	RA1/160 ⊕	1	160V	6 x 11 x 2.5	✳	.047	.045	.04
330587CB	RA1/250 ⊕	1	250V	6 x 11 x 2.5	✳	.065	.06	.053
330405CB	RA2.2/16 ⊕	2.2	16V	5 x 11 x 2	✳	.045	.039	.03
93730CB	R2.2/50 ⊕	2.2	50V	5 x 11 x 2	✳	.038	.033	.026
199021CB	R2.2J/100 ⊕	2.2	100V	5 x 11 x 2	✳	.035	.03	.025
609123CB	UVR2C2R2MED ♻	2.2	160V	6.3 x 11 x 2.5	.20	.126	.08	.056
609182CB	UVR2E2R2MED ♻	2.2	250V	6.3 x 11 x 2.5	.22	.141	.097	.066
609254CB	UVR2V2R2MPD ♻	2.2	350V	8 x 11.5 x 3.5	.27	.182	.128	.088
609211CB	UVR2G2R2MPD ♻	2.2	400V	10 x 12.5 x 5	.30	.213	.152	.112
135184CB	R3.3/50 ⊕	3.3	50V	5 x 11 x 2	✳	.05	.04	.03
609051CB	UVR2A3R3MDD ♻	3.3	100V	5 x 11 x 2	✳	.095	.078	.058
609191CB	UVR2E3R3MPD ♻	3.3	250V	8 x 11.5 x 3.5	.25	.166	.12	.08
609271CB	UVR2V3R3MPD ♻	3.3	350V	10 x 12.5 x 5	.30	.229	.16	.12
330413CB	RA4.7/16 ⊕	4.7	16V	5 x 11 x 2	✳	.045	.04	.03
330448CB	RA4.7/25 ⊕	4.7	25V	5 x 11 x 2	✳	.045	.039	.03
31001CB	R4.7/50 ⊕	4.7	50V	6 x 11 x 2	✳	.042	.037	.029
609060CB	UVR2A4R7MDD ♻	4.7	100V	5 x 11 x 2	✳	.103	.088	.058
609158CB	UVR2C4R7MED ♻	4.7	160V	6.3 x 11 x 2.5	✳	.119	.08	.048
330595CB	RA4.7/250 ⊕	4.7	250V	8 x 11 x 3.5	✳	.112	.094	.083
609297CB	UVR2V4R7MPD ♻	4.7	350V	10 x 12.5 x 5	.30	.229	.16	.12
609220CB	UVR2G4R7MPD ♻	4.7	400V	10 x 16 x 5	.37	.269	.196	.141
198838CB	R10J/16 ⊕	10	16V	5 x 11 x 2	✳	.045	.03	.025
94211CB	5R10/25 ⊕	10	25V	4 x 5 x 1.5	✳	.13	.08	.05
94220CB	5R10/35 ⊕	10	35V	5 x 5 x 2	✳	.09	.07	.065
94369CB	7R10/35 ⊕	10	35V	5 x 7 x 2	✳	.09	.07	.065
29892CB	R10/50 ⊕	10	50V	5 x 11 x 2	✳	.067	.055	.045
330481CB	RA10/63 ⊕	10	63V	5 x 11 x 2	✳	.056	.047	.038
199048CB	R10J/100 ⊕	10	100V	6 x 11 x 2.5	✳	.07	.06	.05
330552CB	RA10/160 ⊕	10	160V	8 x 11 x 3.5	✳	.122	.114	.093
330608CB	RA10/250 ⊕	10	250V	10 x 15 x 5	✳	.16	.133	.114
330632CB	RA10/350 ⊕	10	350V	10 x 20 x 5	.25	.226	.20	.171
609203CB	UVR2G100MHD ♻	10	400V	12.5 x 20 x 5	.45	.34	.248	.186
330641CB	RA10/450 ⊕	10	450V	13 x 21 x 5	.46	.414	.333	.241
198846CB	R22J/16 ⊕	22	16V	5 x 11 x 2	✳	.04	.035	.026
189918CB	R22J/25 ⊕	22	25V	5 x 11 x 2	✳	.049	.041	.031
198942CB	R22J/35 ⊕	22	35V	5 x 11 x 2	✳	.029	.026	.023
93738CB	R22/50 ⊕	22	50V	5 x 11 x 2	✳	.062	.056	.039
608972CB	UVR1J220MDD ♻	22	63V	5 x 11 x 2	✳	.111	.072	.048
199056CB	R22J/100 ⊕	22	100V	6 x 11 x 2.5	✳	.15	.09	.06
609107CB	UVR2C220MPD ♻	22	160V	10 x 16 x 5	.30	.213	.16	.112
609166CB	UVR2E220MHD ♻	22	250V	12.5 x 20 x 5	.48	.356	.256	.186
609246CB	UVR2V220MHD ♻	22	350V	12.5 x 25 x 5	.49	.371	.28	.203
330659CB	RA22/450 ⊕	22	450V	16 x 26 x 7.5	.58	.517	.456	.39
198854CB	R33J/16 ⊕	33	16V	5 x 11 x 2	✳	.035	.032	.028
198926CB	R33J/25 ⊕	33	25V	5 x 11 x 2	✳	.045	.035	.025
609027CB	UVR1V330MDD ♻	33	35V	5 x 11 x 2	✳	.103	.085	.058
93746CB	R33/50 ⊕	33	50V	6 x 11 x 2.5	✳	.055	.05	.045
608999CB	UVR1J330MED ♻	33	63V	6.3 x 11 x 2.5	✳	.126	.088	.064

✳ Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
199064CB	R33J/100 ⊕	33	100V	8 x 11 x 3.5	✳	$.11	$.10	$.09
609131CB	UVR2C330MPD ♻	33	160V	10 x 20 x 5	.45	.34	.248	.178
609262CB	UVR2V330MHD ♻	33	350V	16 x 25 x 7.5	.85	.63	.472	.348
330667CB	RA33/450 ⊕	33	450V	16 x 30 x 7.5	1.09	.97	.86	.62
135302CB	R47/10 ⊕	47	10V	5 x 12 x 2	✳	.04	.03	.025
198862CB	R47J/16 ⊕	47	16V	5 x 11 x 2	✳	.04	.032	.023
93754CB	R47/25 ⊕	47	25V	5 x 11 x 2	✳	.053	.037	.029
198951CB	R47J/35 ⊕	47	35V	5 x 11 x 2	✳	.05	.04	.03
31115CB	R47/50 ⊕	47	50V	6 x 11 x 2.5	✳	.067	.056	.05
330499CB	RA47/63 ⊕	47	63V	8 x 12 x 3.5	✳	.089	.075	.064
199072CB	R47J/100 ⊕	47	100V	10 x 12 x 5	✳	.15	.13	.10
330561CB	RA47/160S ⊕	47	160V	10 x 20 x 5	.34	.31	.276	.238
330616CB	RA47/250 ⊕	47	250V	13 x 25 x 5	.57	.508	.447	.388
609289CB	UVR2V470MHD ♻	47	350V	16 x 35.5 x 7.5	1.37	1.04	.78	.57
330675CB	RA47/450 ⊕	47	450V	18 x 30 x 7.5	1.75	1.21	.92	.70
608809CB	UVR0J101MDD ♻	100	6.3V	5 x 11 x 2	✳	.087	.075	.048
207812CB	R100/10 ⊕	100	10V	5 x 11 x 2	✳	.08	.06	.05
330421CB	RA100/16 ⊕	100	16V	5 x 11 x 2	✳	.056	.055	.048
94289CB	5R100/16 ⊕	100	16V	6 x 5 x 2.5	✳	.15	.12	.09
94431CB	7R100/16 ⊕	100	16V	6 x 7 x 2.5	✳	.15	.12	.09
93762CB	R100/25 ⊕	100	25V	6 x 11 x 2.5	✳	.078	.056	.039
198969CB	R100J/35 ⊕	100	35V	6 x 11 x 2.5	✳	.07	.06	.05
29963CB	R100/50 ⊕	100	50V	8 x 11 x 3.5	✳	.078	.067	.056
330501CB	RA100/63 ⊕	100	63V	8 x 14 x 3.5	✳	.122	.114	.095
330528CB	RA100/100 ⊕	100	100V	10 x 20 x 5	.33	.282	.266	.19
330579CB	RA100/160S ⊕	100	160V	13 x 25 x 5	.56	.498	.437	.371
330624CB	RA100/250 ⊕	100	250V	16 x 30 x 7.5	1.25	1.09	.95	.68
609238CB	UVR2V101MHD ♻	100	350V	18 x 40 x 7.5	1.41	1.07	.83	.61
330683CB	RA100/450 ⊕	100	450V	22 x 42 x 10.5	3.39	3.03	2.08	1.56
608833CB	UVR0J221MDD ♻	220	6.3V	5 x 11 x 2	✳	.119	.08	.056
135124CB	7R220/10 ⊕	220	10V	6 x 7 x 2.5	.26	.23	.19	.142
198871CB	R220J/16 ⊕	220	16V	6 x 11 x 2.5	✳	.11	.07	.06
30497CB	R220/25 ⊕	220	25V	8 x 11 x 3.5	✳	.08	.06	.05
93771CB	R220/35 ⊕	220	35V	8 x 12 x 5	✳	.09	.08	.07
93779CB	R220/50 ⊕	220	50V	10 x 15 x 5	✳	.167	.133	.10
330510CB	RA220/63 ⊕	220	63V	10 x 17 x 5	.27	.235	.219	.181
199081CB	R220J/100 ⊕	220	100V	12 x 25 x 5	.52	.47	.37	.28
609115CB	UVR2C221MHD ♻	220	160V	16 x 35.5 x 7.5	1.29	.98	.73	.527
609174CB	UVR2E221MRD ♻	220	250V	20 x 40 x 10	2.69	2.23	1.72	1.29
608868CB	UVR0J331MED ♻	330	6.3V	6.3 x 11 x 2.5	✳	.126	.088	.064
608921CB	UVR1A331MED ♻	330	10V	6.3 x 11 x 2.5	.23	.15	.104	.072
198890CB	R330J/16 ⊕	330	16V	8 x 11 x 3.5	✳	.14	.07	.06
93797CB	R330/25 ⊕	330	25V	8 x 12 x 3.5	✳	.144	.10	.089
198977CB	R330J/35 ⊕	330	35V	10 x 12 x 5	.20	.18	.144	.108
330472CB	RA330/50 ⊕	330	50V	10 x 20 x 5	.26	.235	.209	.181
609001CB	UVR1J331MPD ♻	330	63V	10 x 20 x 5	.50	.371	.28	.203
199099CB	R330J/100 ⊕	330	100V	12 x 25 x 5	.60	.54	.43	.32
330384CB	RA470/10 ⊕	470	10V	8 x 11 x 3.5	✳	.103	.083	.067
93810CB	R470/16 ⊕	470	16V	8 x 11 x 3.5	✳	.11	.103	.099
31182CB	R470/25 ⊕	470	25V	8 x 14 x 5	✳	.133	.111	.10
93818CB	R470/35 ⊕	470	35V	10 x 16 x 5	✳	.17	.15	.13
93826CB	R470/50 ⊕	470	50V	10 x 20 x 5	.32	.31	.21	.144
609019CB	UVR1J471MHD ♻	470	63V	12.5 x 20 x 5	.69	.514	.384	.284
199101CB	R470J/100 ⊕	470	100V	16 x 25 x 7.5	1.15	.78	.69	.58
609140CB	UVR2C471MRD ♻	470	160V	22 x 40 x 10	2.55	1.91	1.46	1.09
330456CB	RA680/25S ⊕	680	25V	8 x 16 x 3.5	.97	.87	.78	.70
330392CB	RA1000/10 ⊕	1000	10V	8 x 14 x 3.5	✳	.132	.114	.091
30016CB	R1000/16 ⊕	1000	16V	10 x 16 x 5	✳	.16	.14	.12

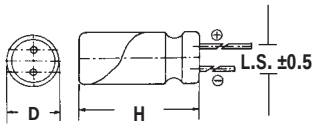
♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

JAMECO ValuePro



Aluminum Radial-Lead Electrolytic Capacitors (±20%)

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† **CROSS REFERENCES: Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Nichicon:** LB/VX/USA/SR/SA; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

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NEW

85°C – General Purpose (Continued)

✳ Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
93834CB	R1000/25 ⊕	1000	25V	10 x 20 x 5	✳	$.25	$.23	$.18
286045CB	Q399L ⊕	1000	35V	12 x 20 x 5	.50	.46	.41	.33
93842CB	R1000/50 ⊕	1000	50V	13 x 25 x 5	.58	.51	.455	.38
302578CB	RS1000/50 ⊕	1000	50V	18 x 21 x 7.5	.58	.51	.455	.341
608964CB	UVR1J102MHD ♻	1000	63V	16 x 25 x 7.5	1.11	.84	.63	.454
199110CB	R1000J/100 ⊕	1000	100V	18 x 40 x 7.5	2.29	2.06	1.65	1.24
608841CB	UVR0J222MPD ♻	2200	6.3V	10 x 20 x 5	.41	.316	.224	.162
608913CB	UVR1A222MPD ♻	2200	10V	10 x 20 x 5	.45	.332	.248	.178
133146CB	R2200/16 ⊕	2200	16V	10 x 20 x 5	.36	.31	.267	.244
30534CB	R2200/25 ⊕	2200	25V	13 x 21 x 5	.61	.545	.444	.333
198985CB	R2200J/35 ⊕	2200	35V	16 x 25 x 7.5	1.39	1.25	.99	.74
608956CB	UVR1H222MHD ♻	2200	50V	16 x 35.5 x 7.5	1.55	1.14	.87	.62
608981CB	UVR1J222MHD ♻	2200	63V	18 x 35.5 x 7.5	1.49	1.14	.87	.65
198897CB	R3300J/16 ⊕	3300	16V	12 x 25 x 5	.49	.39	.33	.29
30892CB	R3300/25 ⊕	3300	25V	13 x 29 x 5	.79	.72	.545	.48
198993CB	R3300J/35 ⊕	3300	35V	16 x 35 x 7.5	.87	.77	.67	.57

✳ Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
199013CB	R3300J/50 ⊕	3300	50V	18 x 35 x 7.5	$2.15	$1.94	$1.55	$1.16
608876CB	UVR0J472MHD ♻	4700	6.3V	12.5 x 20 x 5	.72	.545	.408	.30
608930CB	UVR1A472MHD ♻	4700	10V	12.5 x 25 x 5	.87	.65	.488	.348
198900CB	R4700J/16 ⊕	4700	16V	16 x 25 x 7.5	.79	.71	.64	.58
93851CB	R4700/25 ⊕	4700	25V	16 x 31 x 7.5	1.10	.94	.78	.61
199005CB	R4700J/35 ⊕	4700	35V	18 x 35 x 7.5	1.35	1.25	1.15	1.05
163302CB	R4700/50 ⊕	4700	50V	22 x 42 x 10	2.25	1.99	1.67	1.45
608884CB	UVR0J682MHD ♻	6800	6.3V	12.5 x 25 x 5	.92	.70	.528	.381
31511CB	R6800/16 ⊕	6800	16V	16 x 26 x 7.5	1.10	.87	.76	.66
198934CB	R6800J/25 ⊕	6800	25V	18 x 35 x 7.5	1.59	1.43	1.14	.86
608817CB	UVR0J103MHD ♻	10,000	6.3V	16 x 25 x 7.5	1.30	.98	.74	.531
608892CB	UVR1A103MHD ♻	10,000	10V	16 x 35.5 x 7.5	1.48	1.13	.86	.62
608948CB	UVR1C103MHD ♻	10,000	16V	18 x 35.5 x 7.5	1.59	1.18	.90	.64
608825CB	UVR0J153MHD ♻	15,000	6.3V	16 x 35.5 x 7.5	1.55	1.15	.87	.62
608905CB	UVR1A153MHD ♻	15,000	10V	18 x 35.5 x 7.5	1.59	1.19	.90	.64
608850CB	UVR0J223MHD ♻	22,000	6.3V	18 x 40 x 7.5	1.59	1.19	.91	.68

105˚C – HT Type General Purpose

609545CB	UVZ1H0R1MDD ♻	0.1	50V	5 x 11 x 2	$.20	$.126	$.088	$.056
609617CB	UVZ1HR22MDD ♻	0.22	50V	5 x 11 x 2	.20	.126	.088	.056
609625CB	UVZ1HR33MDD ♻	0.33	50V	5 x 11 x 2	.20	.126	.088	.056
609633CB	UVZ1HR47MDD ♻	0.47	50V	5 x 11 x 2	.20	.126	.088	.056
158481CB	R0.47B100 ⊕	0.47	100V	5 x 11 x 2	✳	.05	.04	.03
607831CB	UPW1H010MDD ♻	1	50V	5 x 11 x 2	✳	.119	.088	.072
330771CB	RB1/50 ⊕	1	50V	5 x 11 x 2	✳	.056	.046	.036
608323CB	UPW2A010MDD ♻	1	100V	5 x 11 x 2	.20	.134	.096	.072
158490CB	R1B100 ⊕	1	100V	5 x 11 x 2	✳	.06	.05	.04
330835CB	RB1/160 ⊕	1	160V	5 x 11 x 2	✳	.078	.067	.055
609895CB	UVZ2D010MED ♻	1	200V	6.3 x 11 x 2.5	.23	.16	.114	.079
609959CB	UVZ2E010MED ♻	1	250V	6.3 x 11 x 2.5	.23	.166	.112	.072
610028CB	UVZ2W010MPD ♻	1	450V	8 x 11.5 x 3.5	.29	.213	.152	.104
609561CB	UVZ1H2R2MDD ♻	2.2	50V	5 x 11 x 2	✳	.103	.088	.058
607937CB	UPW1H2R2MDD ♻	2.2	50V	5 x 11 x 2	✳	.119	.088	.072
609772CB	UVZ2A2R2MDD ♻	2.2	100V	5 x 11 x 2	.20	.126	.088	.056
608366CB	UPW2A2R2MDD ♻	2.2	100V	5 x 11 x 2	.20	.134	.096	.08
609844CB	UVZ2C2R2MED ♻	2.2	160V	6.3 x 11 x 2.5	.23	.158	.112	.072
609924CB	UVZ2D2R2MED ♻	2.2	200V	6.3 x 11 x 2.5	.26	.182	.128	.088
609983CB	UVZ2E2R2MED ♻	2.2	250V	6.3 x 11 x 2.5	.30	.205	.144	.096
610052CB	UVZ2W2R2MPD ♻	2.2	450V	10 x 12.5 x 5	.37	.277	.20	.144
607961CB	UPW1H3R3MDD ♻	3.3	50V	5 x 11 x 2	✳	.119	.088	.072
609799CB	UVZ2A3R3MDD ♻	3.3	100V	5 x 11 x 2	.20	.134	.096	.064
608382CB	UPW2A3R3MDD ♻	3.3	100V	5 x 11 x 2	.24	.166	.12	.096
609861CB	UVZ2C3R3MED ♻	3.3	160V	6.3 x 11 x 2.5	.30	.198	.144	.102
609932CB	UVZ2D3R3MED ♻	3.3	200V	6.3 x 11 x 2.5	.30	.205	.144	.096
610001CB	UVZ2E3R3MPD ♻	3.3	250V	8 x 11.5 x 3.5	.30	.205	.144	.096
610079CB	UVZ2W3R3MPD ♻	3.3	450V	10 x 16 x 5	.44	.332	.24	.17
609596CB	UVZ1H3R3MDD ♻	3.6	50V	5 x 11 x 2	.20	.126	.088	.056
607996CB	UPW1H4R7MDD ♻	4.7	50V	5 x 11 x 2	✳	.119	.088	.072
330780CB	RB4.7/50 ⊕	4.7	50V	5 x 11 x 2	✳	.056	.046	.036
609810CB	UVZ2A4R7MDD ♻	4.7	100V	5 x 11 x 2	.20	.134	.096	.064
609887CB	UVZ2C4R7MED ♻	4.7	160V	6.3 x 11 x 2.5	.30	.205	.144	.096
609941CB	UVZ2D4R7MPD ♻	4.7	200V	8 x 11.5 x 3.5	.30	.229	.168	.12
330851CB	RB4.7/250 ⊕	4.7	250V	8 x 11 x 3.5	✳	.14	.122	.105
610087CB	UVZ2W4R7MPD ♻	4.7	450V	10 x 20 x 5	.54	.403	.304	.219
330691CB	RB10/16 ⊕	10	16V	5 x 11 x 2	✳	.039	.034	.029
607849CB	UPW1H100MDD ♻	10	50V	5 x 11 x 2	.20	.134	.096	.072
330798CB	RB10/50 ⊕	10	50V	5 x 11 x 2	✳	.056	.046	.036
609641CB	UVZ1J100MDD ♻	10	63V	5 x 11 x 2	✳	.126	.096	.064

608331CB	UPW2A100MED ♻	10	100V	6.3 x 11 x 2.5	$.27	$.198	$.144	$.112
158529CB	R10B100 ⊕	10	100V	6 x 11 x 2.5	✳	.08	.07	.055
330843CB	RB10/160 ⊕	10	160V	8 x 11 x 3.5	✳	.149	.132	.114
609908CB	UVZ2D100MPD ♻	10	200V	10 x 12.5 x 5	.38	.284	.208	.144
330860CB	RB10/250 ⊕	10	250V	10 x 17 x 5	.22	.207	.181	.162
610036CB	UVZ2W100MHD ♻	10	450V	12.5 x 20 x 5	.82	.62	.464	.332
608059CB	UPW1J120MDD ♻	12	63V	5 x 11 x 2	.25	.174	.12	.096
606926CB	UHE1J150MDD ♻	15	63V	5 x 11 x 2	✳	.111	.08	.072
607110CB	UHE2A150MED ♻	15	100V	6.3 x 11 x 2.5	✳	.142	.104	.088
608067CB	UPW1J180MDD ♻	18	63V	5 x 11 x 2	.25	.19	.136	.104
607401CB	UPW1A220MDD ♻	22	10V	5 x 11 x 2	✳	.126	.09	.085
207870CB	R22B/25	22	25V	5 x 11 x 2	✳	.047	.037	.028
158326CB	R22B35 ⊕	22	35V	5 x 11 x 2	✳	.07	.05	.03
607890CB	UPW1H220MDD ♻	22	50V	5 x 11 x 2	.25	.174	.12	.096
606811CB	UHE1H220MDD ♻	22	50V	5 x 11 x 2	✳	.111	.08	.072
330801CB	RB22/50 ⊕	22	50V	6 x 11 x 2.5	✳	.067	.055	.044
609650CB	UVZ1J220MDD ♻	22	63V	5 x 11 x 2	.23	.166	.12	.072
608083CB	UPW1J220MED ♻	22	63V	6.3 x 11 x 2.5	.25	.19	.136	.104
609828CB	UVZ2C220MPD ♻	22	160V	10 x 16 x 5	.44	.324	.232	.17
609975CB	UVZ2E220MHD ♻	22	250V	12.5 x 20 x 5	.51	.387	.288	.211
610044CB	UVZ2W220MHD ♻	22	450V	16 x 25 x 7.5	1.16	.87	.66	.47
607929CB	UPW1H270MDD ♻	27	50V	5 x 11 x 2	.25	.174	.12	.096
609713CB	UVZ1V330MDD ♻	33	35V	5 x 11 x 2	.20	.15	.104	.072
608243CB	UPW1V330MDD ♻	33	35V	5 x 11 x 2	.24	.166	.112	.088
607072CB	UHE1V330MDD ♻	33	35V	5 x 11 x 2	✳	.111	.08	.072
609570CB	UVZ1H330MDD ♻	33	50V	5 x 11 x 2	.23	.158	.112	.072
607945CB	UPW1H330MED ♻	33	50V	6.3 x 11 x 2.5	.25	.19	.136	.104
609684CB	UVZ1J330MED ♻	33	63V	6.3 x 11 x 2.5	.26	.174	.128	.088
608104CB	UPW1J330MED ♻	33	63V	6.3 x 11 x 2.5	.27	.205	.144	.112
606969CB	UHE1J330MED ♻	33	63V	6.3 x 11 x 2.5	✳	.142	.104	.089
609781CB	UVZ2A330MPD ♻	33	100V	8 x 11.5 x 3.5	.30	.229	.16	.12
608374CB	UPW2A330MPD6 ♻	33	100V	8 x 15 x 3.5	.43	.316	.232	.194
609991CB	UVZ2E330MHD ♻	33	250V	12.5 x 20 x 5	.59	.442	.32	.235
610061CB	UVZ2W330MHD ♻	33	450V	16 x 35.5 x 7.5	1.46	1.11	.85	.64
608286CB	UPW1V390MDD ♻	39	35V	5 x 11 x 2	.25	.174	.12	.096
607144CB	UHE2A390MPD ♻	39	100V	8 x 15 x 3.5	.21	.166	.128	.104
609502CB	UVZ1C470MDD ♻	47	16V	5 x 11 x 2	✳	.134	.096	.064
606723CB	UHE1E470MDD ♻	47	25V	5 x 11 x 2	✳	.111	.08	.072
158246CB	R47B25 ⊕	47	25V	5 x 11 x 2	✳	.06	.048	.036
609730CB	UVZ1V470MDD ♻	47	35V	5 x 11 x 2	✳	.103	.072	.048

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

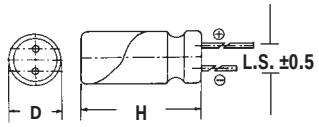
JAMECO ValuePro



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Aluminum Radial-Lead Electrolytic Capacitors (±20%)

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† **CROSS REFERENCES: Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Nichicon:** LB/VX/USA/SR/SA; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

NEW

105˚C – HT Type General Purpose (Continued)

✳ Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No. †	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
607970CB	UPW1H470MED	47	50V	6.3 x 11 x 2.5	$.27	$.205	$.144	$.112
607988CB	UPW1H471MHD	47	50V	6.3 x 11 x 2.5	.80	.59	.448	.348
330819CB	RB47/50	47	50V	6 x 11 x 2.5	✳	.102	.08	.057
608139CB	UPW1J470MPD	47	63V	8 x 11.5 x 3.5	.30	.229	.16	.12
609801CB	UVZ2A470MPD	47	100V	10 x 12.5 x 5	.35	.261	.184	.136
608391CB	UPW2A470MPD	47	100V	10 x 16 x 5	.47	.356	.264	.219
607161CB	UHE2A470MPD	47	100V	10 x 12.5 x 5	.21	.166	.128	.104
609879CB	UVZ2C470MHD	47	160V	12.5 x 20 x 5	.59	.435	.32	.235
610010CB	UVZ2E470MHD	47	250V	12.5 x 25 x 5	.86	.65	.488	.348
607822CB	UPW1E560MDD	56	25V	5 x 11 x 2	.24	.166	.12	.096
608008CB	UPW1H560MED	56	50V	6.3 x 15 x 2.5	.28	.205	.152	.12
606862CB	UHE1H560MED	56	50V	6.3 x 11 x 2.5	✳	.142	.112	.088
608155CB	UPW1J680MPD	68	63V	8 x 11.5 x 3.5	.39	.284	.208	.162
607507CB	UPW1A820MDD	82	10V	5 x 11 x 2	.20	.134	.096	.08
607671CB	UPW1C820MDD	82	16V	5 x 11 x 2	.23	.15	.112	.088
607005CB	UHE1J820MPD	82	63V	8 x 15 x 3.5	.27	.221	.168	.136
609300CB	UVZ0J101MDD	100	6.3V	5 x 11	✳	.134	.096	.064
609414CB	UVZ1A101MDD	100	10V	5 x 11 x 2	✳	.119	.088	.056
330704CB	RB100/16	100	16V	6 x 11 x 2.5	✳	.067	.055	.044
606686CB	UHE1E101MED	100	25V	6.3 x 11 x 2.5	✳	.142	.112	.088
330739CB	RB100/25	100	25V	6 x 11 x 2.5	✳	.067	.057	.048
607700CB	UPW1E101MED	100	25V	6.3 x 11 x 2.5	.27	.205	.152	.104
330747CB	RB100/35	100	35V	8 x 11 x 3.5	✳	.084	.08	.074
158393CB	R100B50	100	50V	8 x 11 x 3.5	✳	.09	.07	.055
607857CB	UPW1H101MPD	100	50V	8 x 11.5 x 3.5	.39	.284	.208	.162
606774CB	UHE1H101MPD	100	50V	8 x 11.5 x 3.5	.25	.205	.152	.128
608024CB	UPW1J101MPD	100	63V	10 x 12.5 x 5	.43	.316	.232	.194
608032CB	UPW1J101MPD6	100	63V	8 x 15 x 3.5	.43	.316	.232	.194
330827CB	RB100/63	100	63V	10 x 13 x 5	✳	.149	.132	.114
609748CB	UVZ2A101MPD	100	100V	10 x 20	.49	.363	.264	.194
609916CB	UVZ2D101MHD	100	200V	16 x 31.5 x 7.5	1.45	1.10	.83	.59
609967CB	UVZ2E101MHD	100	250V	16 x 31.5 x 7.5	1.55	1.17	.89	.67
607523CB	UPW1C121MED	120	16V	6.3 x 11 x 2.5	.25	.174	.12	.096
606619CB	UHE1C121MED	120	16V	6.3 x 11 x 2.5	✳	.111	.08	.072
607726CB	UPW1E121MED	120	25V	6.3 x 12 x 2.5	.28	.205	.152	.12
606791CB	UHE1H121MPD	120	50V	8 x 15 x 3.5	.27	.221	.168	.136
606900CB	UHE1J121MPD	120	63V	8 x 20 x 3.5	.33	.269	.20	.17
607101CB	UHE2A121MPD	120	100V	10 x 31.5 x 5	.36	.284	.216	.186
608198CB	UPW1V151MPD	150	35V	8 x 11.5 x 3.5	.30	.229	.16	.12
607048CB	UHE1V151MPD	150	35V	8 x 11.5 x 3.5	.20	.158	.12	.104
606803CB	UHE1H151MPD	150	50V	10 x 12.5 x 5	.27	.221	.168	.136
608340CB	UPW2A151MHD	150	100V	12.5 x 25 x 5	1.07	.81	.61	.47
607540CB	UPW1C181MED	180	16V	6.3 x 12 x 2.5	.26	.19	.136	.104
207845CB	R180/16	180	16V	6 x 15 x 2.5	✳	.034	.031	.028
607881CB	UPW1H181MPD	180	50V	8 x 20 x 3.5	.47	.356	.264	.219
608075CB	UPW1J181MHD6	180	63V	12.5 x 15 x 5	.68	.514	.376	.292
606934CB	UHE1J181MPD	180	63V	10 x 20 x 5	.44	.356	.272	.227
607128CB	UHE2A181MHD	180	100V	12.5 x 25 x 5	.44	.356	.272	.227
609334CB	UVZ0J221MDD	220	6.3V	5 x 11 x 2	.22	.142	.104	.072
607259CB	UPW0J221MED	220	6.3V	6.3 x 11 x 2.5	.25	.174	.12	.096
607419CB	UPW1A221MED	220	10V	6.3 x 11 x 2.5	.26	.19	.136	.104
606555CB	UHE1A221MED	220	10V	6.3 x 11 x 2.5	✳	.134	.104	.088
311757CB	R220B10	220	10V	6 x 11 x 2.5	.36	.33	.30	.27
609481CB	UVZ1C221MED	220	16V	6.3 x 11 x 2.5	.25	.19	.136	.096
158262CB	R220B25	220	25V	8 x 11 x 3.5	✳	.12	.09	.07
608201CB	UPW1V221MPD	220	35V	10 x 12.5 x 5	.44	.324	.232	.194
608219CB	UPW1V221MPD6	220	35V	8 x 15 x 3.5	.44	.324	.232	.194
330755CB	RB220/35S	220	35V	8 x 16 x 3.5	✳	.149	.132	.114

✳ Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
607902CB	UPW1H221MPD	220	50V	10 x 16 x 5	$.47	$.356	$.264	$.219
606820CB	UHE1H221MPD	220	50V	10 x 16 x 5	.33	.269	.20	.17
158406CB	R220B50	220	50V	10 x 12 x 5	.34	.31	.24	.18
609668CB	UVZ1J221MPD	220	63V	10 x 16	.55	.403	.296	.219
608091CB	UPW1J221MPD6	220	63V	10 x 25 x 5	.83	.62	.456	.389
606942CB	UHE1J221MPD	220	63V	10 x 25 x 5	.44	.356	.272	.227
609764CB	UVZ2A221MHD	220	100V	12.5 x 25	.83	.62	.464	.34
608358CB	UPW2A221MHD	220	100V	16 x 25 x 7.5	1.17	.88	.66	.56
609836CB	UVZ2C221MHD	220	160V	16 x 35.5 x 7.5	1.49	1.14	.87	.65
606951CB	UHE1J271MPD	270	63V	10 x 31.5 x 5	.59	.474	.36	.308
609369CB	UVZ0J331MED	330	6.3V	6.3 x 11 x 2.5	.26	.174	.128	.088
607275CB	UPW0J331MED	330	6.3V	6.3 x 11 x 2.5	.30	.205	.144	.112
606483CB	UHE0J331MED	330	6.3V	6.3 x 11 x 2.5	✳	.126	.096	.08
606651CB	UHE1C331MPD	330	16V	8 x 11.5 x 5	.25	.205	.152	.128
607566CB	UPW1C331MPD	330	16V	8 x 11.5 x 3.5	.39	.284	.208	.162
330712CB	RB330/16	330	16V	8 x 11 x 3.5	✳	.102	.08	.057
609537CB	UVZ1E331MPD	330	25V	10 x 12.5	.29	.213	.16	.104
607777CB	UPW1E331MPD6	330	25V	8 x 15 x 3.5	.40	.292	.208	.17
606707CB	UHE1E331MPD	330	25V	8 x 15 x 3.5	.24	.19	.144	.12
609721CB	UVZ1V331MPD	330	35V	10 x 12.5 x 5	.34	.253	.176	.128
608251CB	UPW1V331MPD	330	35V	10 x 16 x 5	.54	.403	.296	.243
608260CB	UPW1V331MPD6	330	35V	8 x 20 x 3.5	.54	.403	.296	.243
607081CB	UHE1V331MPD	330	35V	10 x 16 x 5	.38	.308	.232	.194
607953CB	UPW1H331MPD	330	50V	10 x 20 x 5	.64	.482	.36	.292
606846CB	UHE1H331MPD	330	50V	10 x 25 x 5	.44	.356	.272	.227
609692CB	UVZ1J331MPD	330	63V	10 x 20 x 5	.62	.466	.344	.243
608112CB	UPW1J331MHD	330	63V	12.5 x 20 x 5	.84	.62	.456	.365
607136CB	UHE2A331MHD	330	100V	12.5 x 40 x 5	1.21	.96	.72	.62
609852CB	UVZ2C331MHD	330	160V	18 x 40 x 7.5	1.89	1.42	1.08	.81
608294CB	UPW1V391MPD	390	35V	10 x 16 x 5	.68	.514	.376	.292
608121CB	UPW1J391MHD6	390	63V	18 x 15 x 7.5	.97	.73	.544	.437
606977CB	UHE1J391MHD	390	63V	18 x 15 x 7.5	.69	.56	.424	.365
607152CB	UHE2A391MHD	390	100V	16 x 31.5 x 7.5	1.23	.97	.73	.63
609385CB	UVZ0J471MED	470	6.3V	6.3 x 11 x 2.5	.25	.19	.136	.096
607460CB	UPW1A471MPD	470	10V	8 x 11.5 x 3.5	.38	.277	.20	.144
606571CB	UHE1A471MPD	470	10V	8 x 11.5 x 3.5	.24	.198	.152	.128
607603CB	UPW1C471MPD	470	16V	10 x 12.5 x 5	.41	.30	.216	.17
607611CB	UPW1C471MPD6	470	16V	8 x 15 x 3.5	.41	.30	.216	.17
158203CB	R470B16	470	16V	8 x 11 x 3.5	✳	.12	.10	.09
606678CB	UHE1C471MPD	470	16V	8 x 15 x 3.5	.26	.205	.16	.136
158289CB	R470B25	470	25V	10 x 15 x 3.5	✳	.15	.12	.10
606731CB	UHE1E471MPD	470	25V	8 x 20 x 3.5	.38	.308	.232	.194
606740CB	UHE1E471MPD6	470	25V	10 x 16 x 5	.38	.308	.232	.194
607793CB	UPW1E471MPD	470	25V	10 x 16 x 5	.53	.403	.296	.235
607806CB	UPW1E471MPD6	470	25V	8 x 20 x 3.5	.53	.403	.296	.235
608307CB	UPW1V471MPD	470	35V	10 x 20 x 5	.69	.514	.384	.332
330763CB	RB470/35	470	35V	10 x 15 x 5	.28	.244	.219	.152
609609CB	UVZ1H471MHD	470	50V	12.5 x 20 x 5	.82	.62	.464	.324
607988CB	UPW1H471MHD	470	50V	12.5 x 20 x 5	.80	.59	.448	.348
606854CB	UHE1H471MPD	470	50V	10 x 31.5 x 5	.59	.474	.36	.30
608147CB	UPW1J471MHD6	470	63V	12.5 x 31.5 x 5	.97	.73	.55	.437
606985CB	UHE1J471MHD	470	63V	12.5 x 31.5 x 5	.72	.58	.44	.373
158465CB	R470B63	470	63V	12 x 20 x 5	.39	.333	.296	.246
608016CB	UPW1H561MHD	560	50V	12.5 x 25 x 5	.97	.73	.55	.437
606504CB	UHE0J681MPD	680	6.3V	8 x 11.5 x 3.5	.24	.198	.152	.128
606598CB	UHE1A681MPD	680	10V	8 x 15 x 3.5	.25	.205	.152	.128
607654CB	UPW1C681MPD	680	16V	10 x 16 x 5	.51	.387	.288	.235
607662CB	UPW1C681MPD6	680	16V	8 x 20 x 3.5	.51	.387	.288	.235
606766CB	UHE1E681MPD	680	25V	10 x 20 x 5	.44	.356	.272	.227

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

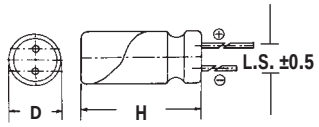
JAMECO ValuePro



A Jameco EXCLUSIVE

Aluminum Radial-Lead Electrolytic Capacitors (±20%)

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† **CROSS REFERENCES: Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Nichicon:** LB/VX/USA/SR/SA; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

NEW

105˚C – HT Type General Purpose (Continued)

✳ **Prepackaged: order in increments of 10, 100 or 500**

Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
608315CB	UPW1V681MHD	680	35V	12.5 x 20 x 5	$.84	$.60	$.456	$.373
607099CB	UHE1V681MPD	680	35V	10 x 31.5 x 5	.57	.458	.352	.292
606871CB	UHE1H681MHD	680	50V	12.5 x 31.5 x 5	.72	.58	.44	.373
608163CB	UPW1J681MHD	680	63V	16 x 25 x 5	1.17	.88	.66	.56
606993CB	UHE1J681MHD	680	63V	12.5 x 40 x 5	.88	.68	.518	.454
607179CB	UHE2A681MHD	680	100V	18 x 35.5 x 7.5	1.39	1.09	.83	.71
607355CB	UPW0J821MPD	820	6.3V	8 x 15 x 3.5	.39	.284	.208	.162
607689CB	UPW1C821MPD	820	16V	10 x 20 x 5	.60	.45	.336	.292
607013CB	UHE1J821MHD	820	63V	16 x 31.5 x 7.5	1.23	.97	.73	.63
606432CB	UHE0J102MPD	1000	6.3V	8 x 15 x 3.5	✳	.142	.112	.096
607187CB	UPW0J102MPD	1000	6.3V	10 x 12.5 x 5	.43	.316	.232	.194
609422CB	UVZ1A102MPD	1000	10V	10 x 12.5	.42	.316	.24	.17
607363CB	UPW1A102MPD6	1000	10V	8 x 20 x 3.5	.48	.356	.256	.194
606512CB	UHE1A102MPD	1000	10V	8 x 20 x 3.5	.34	.269	.208	.17
606521CB	UHE1A102MPD6	1000	10V	10 x 16 x 5	.34	.269	.208	.17
609465CB	UVZ1C102MPD	1000	16V	10 x 16 x 5	.50	.316	.28	.203
607515CB	UPW1C102MPD	1000	16V	10 x 20 x 5	.60	.45	.336	.292
606601CB	UHE1C102MPD	1000	16V	10 x 20 x 5	.43	.348	.264	.219
330721CB	RB1000/16 ⊕	1000	16V	10 x 20 x 5	.23	.216	.19	.171
158297CB	R1000B25 ⊕	1000	25V	10 x 20 x 5	.35	.29	.25	.19
607718CB	UPW1E102MHD	1000	25V	12.5 x 20 x 5	.81	.60	.44	.348
608171CB	UPW1V102MHD	1000	35V	12.5 x 25 x 5	.94	.70	.528	.454
607021CB	UHE1V102MHD	1000	35V	12.5 x 25 x 5	.69	.56	.424	.365
158377CB	R1000B35 ⊕	1000	35V	10 x 20 x 5	.49	.45	.40	.35
609553CB	UVZ1H102MHD	1000	50V	12.5 x 25 x 5	.79	.58	.432	.316
607865CB	UPW1H102MHD	1000	50V	16 x 25 x 7.5	1.17	.88	.66	.56
606782CB	UHE1H102MHD	1000	50V	12.5 x 40 x 5	.87	.68	.518	.454
608041CB	UPW1J102MHD	1000	63V	16 x 31.5 x 7.5	1.55	1.16	.88	.70
606889CB	UHE1J102MHD	1000	63V	12.5 x 40 x 5	1.23	.97	.73	.63
606897CB	UHE1J102MHD6	1000	63V	18 x 31.5 x 7.5	1.23	.97	.73	.63
609756CB	UVZ2A102MHD	1000	100V	18 x 40 x 7.5	1.89	1.44	1.10	.82
606459CB	UHE0J122MPD	1200	6.3V	8 x 20 x 3.5	.30	.245	.184	.152
607216CB	UPW0J122MPD	1200	6.3V	8 x 20 x 3.5	.44	.324	.232	.178
607224CB	UPW0J122MPD6	1200	6.3V	10 x 16 x 5	.47	.356	.264	.211
607380CB	UPW1A122MPD	1200	10V	10 x 20 x 5	.53	.403	.296	.235
606547CB	UHE1A122MPD	1200	10V	10 x 20 x 5	.38	.308	.232	.194
606627CB	UHE1C122MPD	1200	16V	10 x 25 x 5	.39	.316	.24	.203
606694CB	UHE1E122MHD	1200	25V	18 x 15 x 7.5	.64	.521	.392	.332
608180CB	UPW1V122MHD	1200	35V	12.5 x 31.5 x 5	1.17	.88	.66	.56
607030CB	UHE1V122MHD	1200	35V	12.5 x 31.5 x 5	.88	.68	.518	.454
606918CB	UHE1J122MHD	1200	63V	16 x 40 x 7.5	1.39	1.09	.83	.71
607232CB	UPW0J152MPD	1500	6.3V	10 x 20 x 5	.47	.356	.264	.219
607398CB	UPW1A152MPD6	1500	10V	10 x 25 x 5	.55	.419	.304	.235
607531CB	UPW1C152MHD	1500	16V	12.5 x 20 x 5	.84	.62	.456	.365
606635CB	UHE1C152MPD	1500	16V	10 x 31.5 x 5	.57	.458	.352	.30
607734CB	UPW1E152MHD	1500	25V	16 x 25 x 7.5	.94	.70	.528	.429
607742CB	UPW1E152MHD6	1500	25V	12.5 x 25 x 5	.94	.70	.528	.429
607873CB	UPW1H152MHD	1500	50V	16 x 31.5 x 7.5	1.55	1.16	.88	.70
606467CB	UHE0J182MHD	1800	6.3V	12.5 x 15 x 5	.35	.284	.216	.186
607751CB	UPW1E182MHD	1800	25V	12.5 x 31.5 x 5	1.17	.88	.66	.56
607056CB	UHE1V182MHD	1800	35V	12.5 x 40 x 5	.92	.71	.54	.47
607267CB	UPW0J222MPD6	2200	6.3V	10 x 25 x 5	.62	.466	.344	.292
609342CB	UVZ0J222MPD	2200	6.3V	10 x 20	.51	.356	.248	.203
606475CB	UHE0J222MPD	2200	6.3V	10 x 25 x 5	.43	.348	.264	.219
607427CB	UPW1A222MHD	2200	10V	12.5 x 20 x 5	.79	.59	.44	.348
606563CB	UHE1A222MPD	2200	10V	10 x 31.5 x 5	.55	.442	.28	.20
609490CB	UVZ1C222MHD	2200	16V	12.5 x 20 x 5	.80	.59	.448	.324
606643CB	UHE1C222MHD	2200	16V	12.5 x 25 x 5	.69	.56	.424	.365

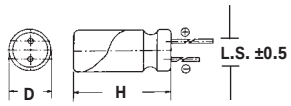
Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
609705CB	UVZ1V222MHD	2200	35V	16 x 25 x 7.5	$1.34	$1.02	$.76	$.543
608227CB	UPW1V222MHD	2200	35V	18 x 25 x 7.5	1.38	1.06	.81	.64
608235CB	UPW1V222MHD6	2200	35V	8 x 15 x 3.5	1.38	1.06	.81	.64
607064CB	UHE1V222MHD	2200	35V	16 x 31.5 x 7.5	1.24	.98	.73	.64
607911CB	UPW1H222MHD	2200	50V	18 x 35.5 x 7.5	1.95	1.46	1.12	.91
606838CB	UHE1H222MHD6	2200	50V	18 x 35.5 x 7.5	1.49	1.14	.87	.83
158431CB	R2200B50 ⊕	2200	50V	16 x 35 x 7.5	.99	.89	.71	.53
609676CB	UVZ1J222MHD	2200	63V	18 x 35.5 x 7.5	1.65	1.26	.96	.73
607435CB	UPW1A272MHD	2700	10V	12.5 x 25 x 5	.82	.61	.448	.365
607558CB	UPW1C272MHD	2700	16V	16 x 31.5 x 7.5	1.22	.92	.70	.56
607769CB	UPW1E272MHD	2700	25V	16 x 25 x 7.5	1.38	1.06	.81	.64
609377CB	UVZ0J332MPD	3300	6.3V	10 x 20 x 5	.56	.419	.312	.227
607283CB	UPW0J332MHD	3300	6.3V	12.5 x 20 x 5	.82	.61	.448	.356
606491CB	UHE0J332MHD	3300	6.3V	12.5 x 20 x 5	.57	.458	.352	.292
609449CB	UVZ1A332MHD	3300	10V	12.5 x 20 x 5	.82	.59	.448	.324
607443CB	UPW1A332MHD6	3300	10V	12.5 x 31.5 x 5	.69	.521	.384	.292
607574CB	UPW1C332MHD	3300	16V	16 x 25 x 7.5	1.26	.95	.71	.543
607582CB	UPW1C332MHD6	3300	16V	12.5 x 35.5 x 5	1.26	.95	.71	.543
606660CB	UHE1C332MHD	3300	16V	12.5 x 35.5 x 5	.92	.71	.54	.47
607785CB	UPW1E332MHD6	3300	25V	18 x 25 x 7.5	1.45	1.10	.84	.67
606715CB	UHE1E332MHD	3300	25V	16 x 31.5 x 7.5	1.24	.98	.73	.64
608278CB	UPW1V332MHD	3300	35V	18 x 35.5 x 7.5	1.79	1.35	1.03	.84
609588CB	UVZ1H332MHD	3300	50V	18 x 35.5 x 7.5	2.15	1.60	1.24	.92
607291CB	UPW0J392MHD	3900	6.3V	12.5 x 25 x 5	.91	.68	.52	.446
607451CB	UPW1A392MHD	3900	10V	12.5 x 35.5 x 5	.93	.70	.52	.437
607591CB	UPW1C392MHD	3900	16V	16 x 25 x 7.5	1.44	1.10	.83	.64
609393CB	UVZ0J472MHD	4700	6.3V	12.5 x 20	.83	.62	.472	.34
607304CB	UPW0J472MHD	4700	6.3V	16 x 25 x 7.5	.93	.70	.52	.437
607312CB	UPW0J472MHD6	4700	6.3V	12.5 x 31.5 x 5	.93	.70	.52	.437
607478CB	UPW1A472MHD	4700	10V	16 x 25 x 7.5	1.14	.86	.64	.51
606580CB	UHE1A472MHD	4700	10V	12.5 x 35.5 x 5	.88	.68	.518	.454
609511CB	UVZ1C472MHD	4700	16V	16 x 25 x 7.5	1.46	1.14	.81	.61
607620CB	UPW1C472MHD	4700	16V	16 x 31.5 x 7.5	1.44	1.10	.83	.64
607638CB	UPW1C472MHD6	4700	16V	18 x 25 x 7.5	1.44	1.10	.83	.64
606758CB	UHE1E472MHD	4700	25V	16 x 40 x 7.5	1.55	1.19	.91	.78
607814CB	UPW1E472MHD	4700	25V	18 x 35.5 x 7.5	1.46	1.12	.85	.75
607321CB	UPW0J562MHD	5600	6.3V	12.5 x 35.5 x 5	1.17	.88	.66	.56
607646CB	UPW1C562MHD	5600	16V	16 x 35.5 x 7.5	1.55	1.16	.88	.70
609406CB	UVZ0J682MHD	6800	6.3V	12.5 x 25	1.13	.86	.64	.462
607339CB	UPW0J682MHD	6800	6.3V	16 x 25 x 7.5	1.19	.90	.68	.55
607347CB	UPW0J682MHD6	6800	6.3V	18 x 20 x 7.5	1.19	.90	.68	.55
609457CB	UVZ1A682MHD	6800	10V	16 x 25 x 7.5	1.49	1.14	.87	.62
607486CB	UPW1A682MHD	6800	10V	16 x 31.5 x 7.5	1.55	1.16	.88	.70
607494CB	UPW1A682MHD6	6800	10V	18 x 25 x 7.5	1.55	1.16	.88	.70
609529CB	UVZ1C682MHD	6800	16V	16 x 35.5 x 7.5	1.79	1.35	1.03	.76
607697CB	UPW1C822MHD	8200	16V	18 x 35.5 x 7.5	1.89	1.43	1.09	.95
609318CB	UVZ0J103MHD	10,000	6.3V	16 x 25 x 7.5	1.41	1.08	.83	.62
606441CB	UHE0J103MHD6	10,000	6.3V	18 x 15 x 7.5	1.30	1.02	.77	.66
607195CB	UPW0J103MHD	10,000	6.3V	16 x 31.5 x 7.5	1.55	1.16	.88	.70
607208CB	UPW0J103MHD6	10,000	6.3V	18 x 25 x 7.5	1.55	1.16	.88	.70
607371CB	UPW1A103MHD	10,000	10V	18 x 35.5 x 7.5	1.89	1.43	1.09	.95
606539CB	UHE1A103MHD	10,000	10V	16 x 40 x 7.5	1.45	1.11	.85	.82
609473CB	UVZ1C103MHD	10,000	16V	18 x 35.5 x 7.5	1.89	1.44	1.09	.82
609326CB	UVZ0J153MHD	15,000	6.3V	16 x 35.5 x 7.5	1.79	1.35	1.03	.73
607241CB	UPW0J153MHD	15,000	6.3V	18 x 35.5 x 7.5	1.89	1.43	1.09	.95
609431CB	UVZ1A153MHD	15,000	10V	18 x 35.5 x 7.5	1.89	1.44	1.09	.82
609351CB	UVZ0J223MHD	22,000	6.3V	18 x 40 x 7.5	2.09	1.58	1.22	.92

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



Aluminum Radial-Lead Electrolytic Capacitors (±20%)

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† **CROSS REFERENCES: Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Nichicon:** LB/VX/USA/SR/SA; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

85˚C – General Purpose

*Other Manufacturers — Great Deals**

✳ **Prepackaged: order in increments of 10, 100 or 500**

Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
29831CB	R1/50 ⊕	1	50V	5 x 11 x 2.0	✳	$.057	$.048	$.038
93729CB	R2.2/50 ⊕	2.2	50V	5 x 11 x 2.0	✳	.034	.03	.023
135183CB	R3.3/50 ⊕	3.3	50V	5 x 11 x 2.0	✳	.045	.036	.027
31000CB	R4.7/50 ⊕	4.7	50V	5 x 11 x 2.0	✳	.038	.033	.026
29891CB	R10/50 ⊕	10	50V	5 x 11 x 2.0	✳	.06	.05	.04
93737CB	R22/50 ⊕	22	50V	5 x 11 x 2.0	✳	.06	.05	.035
93745CB	R33/50 ⊕	33	50V	5 x 11 x 2.0	✳	.05	.045	.04
135301CB	R47/10	47	10V	5 x 12 x 2.0	✳	.036	.027	.02
93753CB	R47/25 ⊕	47	25V	5 x 11 x 2.0	✳	.048	.033	.026
31114CB	R47/50 ⊕	47	50V	6 x 11 x 2.5	✳	.06	.05	.045
207811CB	R100/10 ⊕	100	10V	5 x 11 x 2.0	✳	.072	.054	.045
93761CB	R100/25 ⊕	100	25V	6 x 11 x 2.5	✳	.07	.05	.035
29962CB	R100/50 ⊕	100	50V	8 x 11 x 3.5	✳	.07	.06	.05
30496CB	R220/25 ⊕	220	25V	8 x 11 x 3.5	✳	.08	.06	.05
93770CB	R220/35 ⊕	220	35V	10 x 12 x 5.0	✳	.09	.08	.07

* Capacitor dimensions and styles may vary.

✳ **Prepackaged: order in increments of 10, 100 or 500**

Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
93778CB	R220/50	220	50V	10 x 12 x 5.0	✳	$.15	$.12	$.09
198889CB	R330J/16 ⊕	330	16V	8 x 11 x 3.5	✳	.126	.076	.057
93796CB	R330/25	330	25V	10 x 12 x 5.0	✳	.126	.107	.08
93809CB	R470/16	470	16V	8 x 11 x 3.5	✳	.099	.095	.089
31181CB	R470/25 ⊕	470	25V	10 x 12 x 5.0	✳	.12	.10	.09
395591CB	R470825-OM ⊕	470	25V	10 x 12 x 5.0	✳	.12	.11	.09
93817CB	R470/35	470	35V	10 x 16 x 5.0	✳	.153	.135	.117
93825CB	R470/50	470	50V	12 x 20 x 5.0	.29	.27	.19	.13
30015CB	R1000/16 ⊕	1000	16V	10 x 16 x 5.0	✳	.178	.156	.133
93833CB	R1000/25	1000	25V	10 x 20 x 5.0	.41	.32	.29	.16
93841CB	R1000/50 ⊕	1000	50V	12 x 25 x 5.0	.52	.46	.41	.34
133145CB	R2200/16	2200	16V	12 x 20 x 5.0	.32	.28	.24	.22
30533CB	R2200/25 ⊕	2200	25V	12 x 25 x 5.0	.55	.49	.40	.33
30891CB	R3300/25 ⊕	3300	25V	16 x 25 x 7.5	.71	.65	.49	.43
93850CB	R4700/25	4700	25V	16 x 31 x 7.5	.99	.89	.80	.66
163301CB	R4700/50	4700	50V	22 x 42 x 10.0	1.99	1.79	1.50	1.31
31510CB	R6800/16 ⊕	6800	16V	16 x 35 x 7.5	1.09	.98	.85	.70

* Capacitor dimensions and styles may vary.

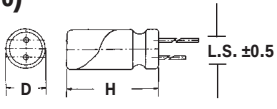
JAMECO ValuePro

Aluminum Radial-Lead Non-Polarized Electrolytic Capacitors (±20%)

85°C – General Purpose



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† **CROSS REFERENCES: Elna:** RC2/RE2; **IC:** RAR/RSS; **Marcon:** SEM/SSM; **Nichicon:** LB/VX/USA/SR/SA; **Rubycon:** MS7/TWSS; **Sprague:** 501D/513D; **UCC:** SME/SRE/SRA/SRG; **Panasonic:** KA/KS/SU

✳ **Prepackaged: order in increments of 10, 100 or 500**

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
330931CB	RN0.47/50 ⊕	0.47	50V	5 x 11 x 2.0	$.28	$.252	$.19	$.152
330940CB	RN1/50 ⊕	1	50V	5 x 11 x 2.0	✳	.159	.085	.076
331053CB	RN1/100 ⊕	1	100V	5 x 11 x 2.0	✳	.169	.086	.076
330958CB	RN2.2/50 ⊕	2.2	50V	5 x 11 x 2.0	✳	.159	.085	.076
331029CB	RN2.2/63 ⊕	2.2	63V	5 x 11 x 2.0	.28	.243	.219	.197
331061CB	RN2.2/100 ⊕	2.2	100V	5 x 11 x 2.0	✳	.169	.086	.076
330966CB	RN3.3/50 ⊕	3.3	50V	5 x 11 x 2.0	✳	.171	.094	.086
331070CB	RN3.3/100 ⊕	3.3	100V	5 x 11 x 2.0	✳	.189	.095	.086
330907CB	RN4.7/25 ⊕	4.7	25V	5 x 11 x 2.0	.28	.243	.219	.197
330974CB	RN4.7/50 ⊕	4.7	50V	5 x 11 x 2.0	✳	.171	.094	.086
331088CB	RN4.7/100 ⊕	4.7	100V	6 x 11 x 2.5	✳	.188	.095	.086
330915CB	RN10/25 ⊕	10	25V	5 x 11 x 2.0	.28	.243	.219	.197

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
330982CB	RN10/50 ⊕	10	50V	8 x 11 x 3.5	$.22	$.198	$.114	$.105
331096CB	RN10/100 ⊕	10	100V	8 x 11 x 3.5	.22	.198	.114	.105
330878CB	RN22/16 ⊕	22	16V	5 x 11 x 2.0	.31	.279	.219	.181
330923CB	RN22/25 ⊕	22	25V	5 x 11 x 2.0	.32	.288	.259	.233
330991CB	RN22/50 ⊕	22	50V	6 x 11 x 2.5	.33	.31	.171	.162
331037CB	RN22/63 ⊕	22	63V	8 x 11 x 3.5	.45	.409	.368	.331
331109CB	RN22/100 ⊕	22	100V	10 x 15 x 5.0	.33	.297	.171	.162
330886CB	RN47/16 ⊕	47	16V	6 x 11 x 2.5	.33	.297	.267	.241
331002CB	RN47/50 ⊕	47	50V	8 x 11 x 3.5	.46	.414	.314	.285
331117CB	RN47/100 ⊕	47	100V	10 x 20 x 5.0	.46	.414	.314	.285
330894CB	RN100/16 ⊕	100	16V	8 x 11 x 3.5	.45	.405	.365	.328
331011CB	RN100/50 ⊕	100	50V	10 x 17 x 5.0	.69	.621	.467	.428
331045CB	RN220/63 ⊕	220	63V	5 x 11 x 2.0	.69	.62	.465	.428

85°C – Non-Polarized High-Frequency (Horizontal Deflection)

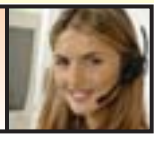
Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
331125CB	RN1/25S ⊕	1	25V	8 x 11 x 3.5	$.37	$.348	$.186	$.166
331205CB	RN1/50S ⊕	1	50V	8 x 11 x 3.5	.37	.348	.186	.166
331133CB	RN2.2/25S ⊕	2.2	25V	8 x 11 x 3.5	.37	.348	.186	.166
331213CB	RN2.2/50S ⊕	2.2	50V	8 x 11 x 3.5	.37	.348	.186	.166
331141CB	RN3.3/25S ⊕	3.3	25V	8 x 11 x 3.5	.37	.348	.186	.166
331221CB	RN3.3/50S ⊕	3.3	50V	8 x 11 x 3.5	.37	.348	.186	.166
331150CB	RN4.7/25S ⊕	4.7	25V	8 x 11 x 3.5	.37	.348	.186	.166
331230CB	RN4.7/50S ⊕	4.7	50V	8 x 11 x 3.5	.37	.348	.186	.166

Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing 1	10	100	500
331168CB	RN5.6/25S ⊕	5.6	25V	8 x 11 x 3.5	$.37	$.348	$.186	$.166
331248CB	RN5.6/50S ⊕	5.6	50V	8 x 14 x 3.5	.45	.423	.226	.202
331176CB	RN6.8/25S ⊕	6.8	25V	8 x 11 x 3.5	.37	.348	.186	.166
331256CB	RN6.8/50S ⊕	6.8	50V	8 x 14 x 3.5	.45	.423	.226	.202
331184CB	RN8.2/25S ⊕	8.2	25V	8 x 14 x 3.5	.45	.423	.226	.202
331264CB	RN8.2/50S ⊕	8.2	50V	10 x 15 x 5.0	.58	.548	.293	.262
331192CB	RN10/25S ⊕	10	25V	8 x 14 x 3.5	.45	.423	.226	.202
331272CB	RN10/50S ⊕	10	50V	10 x 15 x 5.0	.58	.548	.293	.262

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions.
Just call us! 1-800-831-4242



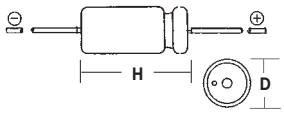
JAMECO ValuePro — A Jameco EXCLUSIVE

Aluminum Axial-Lead Electrolytic Capacitors

General purpose 85°C maximum

Quantity SAVE

Operating temperature range	-40°C to +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2μA, whichever is greater



SALE

†**CROSS REFERENCES: Elna:** RE2; **IC:** RAR; **Marcon:** SEM; **Nichicon:** LB/VX; **Rubycon:** TWSS; **Sprague:** 501D/513D; **UCC:** SME; **Panasonic:** SU

✳ **Prepackaged: order in increments of 10, 100 or 500**

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) DxH	Pricing 1	10	100	500
10867CB	A1/50 ⊕	1	50V	5 x 13	✳	$.15	$.115	$.09
93570CB	A2.2/50 ⊕	2.2	50V	6 x 13	✳	.11	.10	.09
199419CB	A3.3J/50 ⊕	3.3	50V	6 x 12	✳	.12	.111	.10
11077CB	A4.7/50 ⊕	4.7	50V	6 x 13	✳	.18	.13	.11
331301CB	AB4.7/63 ⊕	4.7	63V	6 x 12	.23	.197	.143	.105
199427CB	A6.8J/50 ⊕	6.8	50V	6 x 12	✳	.12	.111	.10
199144CB	A10J/16 ⊕	10	16V	6 x 12	✳	.20	.14	.10
199259CB	A10J/25 ⊕	10	25V	5 x 12	✳	.174	.15	.139
93578CB	A10/35 ⊕	10	35V	6 x 13	✳	.133	.107	.08
10883CB	A10/50 ⊕	10	50V	6 x 12	✳	.167	.133	.089
331310CB	AB10/63 ⊕	10	63V	6 x 12	✳	.15	.128	.105
331424CB	AB10/450 ⊕	10	450V	13 x 25	1.25	1.04	.94	.86
199152CB	A22J/16 ⊕	22	16V	6 x 12	✳	.12	.111	.10
199267CB	A22J/25 ⊕	22	25V	6 x 12	✳	.197	.141	.105
10998CB	A22/50 ⊕	22	50V	6 x 12	✳	.19	.14	.10
331328CB	AB22/63 ⊕	22	63V	8 x 12	.22	.218	.173	.154
331387CB	AB22/160 ⊕	22	160V	10 x 17	.80	.68	.62	.56
331432CB	AB22/450 ⊕	22	450V	16 x 26	1.99	1.66	1.51	1.37
199161CB	A33J/16 ⊕	33	16V	6 x 13	✳	.12	.111	.10
199347CB	A33J/35 ⊕	33	35V	6.3 x 16	✳	.12	.111	.10
199435CB	A33J/50 ⊕	33	50V	6.3 x 16	✳	.12	.111	.10
199179CB	A47J/16 ⊕	47	16V	6.3 x 12	✳	.134	.114	.085
135320CB	A47/25 ⊕	47	25V	8 x 16	✳	.15	.128	.096
199355CB	A47J/35 ⊕	47	35V	6.3 x 16	✳	.12	.111	.10
11106CB	A47/50 ⊕	47	50V	8 x 16	✳	.19	.14	.10
331336CB	AB47/63 ⊕	47	63V	8 x 16	✳	.171	.16	.13
331361CB	AB47/100 ⊕	47	100V	10 x 17	.34	.273	.247	.19
331395CB	AB47/160 ⊕	47	160V	13 x 21	.75	.57	.368	.331
331441CB	AB47/450 ⊕	47	450V	16 x 30	3.25	2.74	2.49	2.26
199443CB	A68J/50 ⊕	68	50V	8 x 15	.21	.12	.111	.10
199187CB	A100J/16 ⊕	100	16V	6.3 x 16	.24	.22	.19	.16
199283CB	A100J/25 ⊕	100	25V	8 x 16	.25	.20	.18	.15
10912CB	A100/50 ⊕	100	50V	8 x 20	✳	.245	.20	.155
331344CB	AB100/63 ⊕	100	63V	10 x 17	.37	.291	.257	.219
331379CB	AB100/100 ⊕	100	100V	10 x 20	.85	.73	.57	.47

✳ **Prepackaged: order in increments of 10, 100 or 500**

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) DxH	Pricing 1	10	100	500
331408CB	AB100/160 ⊕	100	160V	16 x 26	$1.79	$1.53	$1.39	$1.26
331416CB	AB100/250 ⊕	100	250V	16 x 30	2.45	2.09	1.93	1.80
331299CB	AB150/50 ⊕	150	50V	10 x 17	.96	.86	.69	.65
199195CB	A220J16 ⊕	220	16V	8 x 16	✳	.235	.20	.15
199291CB	A220J/25 ⊕	220	25V	8 x 16	.25	.21	.18	.12
199363CB	A220J/35 ⊕	220	35V	10 x 17	✳	.16	.14	.13
11018CB	A220/50 ⊕	220	50V	10 x 17	.35	.29	.25	.192
331352CB	AB220/63 ⊕	220	63V	10 x 20	.55	.461	.409	.342
199208CB	A330J/16 ⊕	330	16V	8 x 16	✳	.235	.20	.15
199371CB	A330J/35 ⊕	330	35V	10 x 17	.44	.367	.333	.25
199451CB	A330J/50 ⊕	330	50V	13 x 22	.31	.28	.26	.23
199216CB	A470J/16 ⊕	470	16V	8 x 16	.34	.273	.245	.184
199312CB	A470J/25 ⊕	470	25V	10 x 17	.44	.367	.333	.235
199380CB	A470J/35 ⊕	470	35V	10 x 21	.50	.404	.371	.278
11122CB	A470/50 ⊕	470	50V	13 x 21	.59	.49	.42	.34
199460CB	A680J/50 ⊕	680	50V	16 x 25	.85	.73	.57	.428
331281CB	AB1000/10 ⊕	1000	10V	10 x 17	.51	.414	.38	.304
93632CB	A1000/16 ⊕	1000	16V	10 x 20	.51	.46	.42	.40
10955CB	A1000/25 ⊕	1000	25V	10 x 20	.66	.54	.49	.38
93650CB	A1000/35 ⊕	1000	35V	13 x 25	.94	.83	.655	.545
147257CB	A1000/50 ⊕	1000	50V	16 x 25	.88	.77	.66	.545
11034CB	A2200/16 ⊕	2200	16V	13 x 21	.88	.79	.72	.655
199321CB	A2200J/25 ⊕	2200	25V	16 x 28	1.09	.90	.78	.59
93657CB	A2200/35 ⊕	2200	35V	16 x 30	1.25	1.10	.99	.85
199478CB	A2200J/50 ⊕	2200	50V	18 x 42	2.29	1.93	1.79	1.65
93666CB	A3300/25 ⊕	3300	25V	16 x 32	1.10	.99	.88	.77
199398CB	A3300J/35 ⊕	3300	35V	18 x 37	3.39	2.93	2.29	1.72
199486CB	A3300J/50 ⊕	3300	50V	22 x 43	2.95	2.86	2.67	2.58
199232CB	A4700J/16 ⊕	4700	16V	16 x 30	1.45	1.30	1.17	1.06
93674CB	A4700/25 ⊕	4700	25V	16 x 30	1.69	1.49	1.29	.99
199401CB	A4700J/35 ⊕	4700	35V	18 x 40	2.79	2.51	2.01	1.51
158810CB	A4700A50 ⊕	4700	50V	25 x 43	2.79	2.29	2.09	1.79
199241CB	A6800J/16 ⊕	6800	16V	16 x 33	2.15	1.94	1.74	1.57
199339CB	A6800J/25 ⊕	6800	25V	18 x 40	2.35	2.12	1.69	1.27
93682CB	A10000/16 ⊕	10000	16V	16 x 33	2.49	2.28	1.83	1.32

*Other Manufacturers — Great Deals**

Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) DxH	Pricing 1	10	100	500
10866CB	A1/50 ⊕	1	50V	5 x 13	✳	$.135	$.121	$.109
93569CB	A2.2/50 ⊕	2.2	50V	6 x 13	✳	.14	.115	.095
11076CB	A4.7/50 ⊕	4.7	50V	6 x 13	✳	.162	.117	.099
93577CB	A10/35 ⊕	10	35V	6 x 13	✳	.155	.134	.119
10882CB	A10/50 ⊕	10	50V	6 x 12	✳	.15	.12	.08
10997CB	A22/50 ⊕	22	50V	6 x 12	✳	.17	.126	.09
135319CB	A47/25 ⊕	47	25V	8 x 16	✳	.135	.115	.086
11105CB	A47/50 ⊕	47	50V	8 x 16	✳	.17	.136	.102
93551CB	A100/35 ⊕	100	35V	8 x 16	✳	.21	.17	.13
10911CB	A100/50 ⊕	100	50V	8 x 20	✳	.22	.18	.14

Part No.	Cross Ref. No.	Value (μF)	Voltage	Size (mm) DxH	Pricing 1	10	100	500
11017CB	A220/50 ⊕	220	50V	10 x 20	$.39	$.32	$.256	$.192
11121CB	A470/50 ⊕	470	50V	13 x 31	~~$.59~~ .53	.44	.38	.31
93631CB	A1000/16	1000	16V	13 x 27	.46	.41	.38	.36
10954CB	A1000/25 ⊕	1000	25V	13 x 31	.59	.49	.44	.34
93649CB	A1000/35	1000	35V	13 x 26	.85	.75	.59	.49
147256CB	A1000/50	1000	50V	16 x 31	.79	.71	.57	.43
11033CB	A2200/16 ⊕	2200	16V	16 x 40	.79	.71	.65	.59
93665CB	A3300/25	3300	25V	16 x 32	1.19	1.07	.95	.83
93673CB	A4700/25	4700	25V	22 x 39	1.55	1.34	1.16	.89
93681CB	A10000/16	10000	16V	22 x 51	2.25	2.05	1.85	1.49

***Capacitor dimensions and styles may vary**

JAMECO ValuePro — A Jameco EXCLUSIVE

Aluminum Axial-Lead Non-Polarized Electrolytic Capacitors

85°C – General purpose



Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) DxH	Pricing 1	10	100	500
331521CB	AN1/50 ⊕	1	50V	6 x 16	$.35	$.342	$.266	$.209
331635CB	AN1/100 ⊕	1	100V	6 x 16	.44	.428	.314	.247
331539CB	AN2.2/50 ⊕	2.2	50V	6 x 16	.40	.38	.295	.228
331547CB	AN3.3/50 ⊕	3.3	50V	6 x 16	.42	.399	.314	.238
331555CB	AN4.7/50 ⊕	4.7	50V	6 x 16	.45	.428	.333	.266
331643CB	AN4.7/100 ⊕	4.7	100V	6 x 16	.69	.66	.504	.38
331483CB	AN10/25 ⊕	10	25V	6 x 16	.39	.37	.356	.284
331563CB	AN10/50 ⊕	10	50V	6 x 16	.57	.542	.418	.333
331651CB	AN10/100 ⊕	10	100V	8 x 16	.73	.69	.532	.504
331459CB	AN22/16 ⊕	22	16V	6 x 16	.39	.351	.316	.284
331491CB	AN22/25 ⊕	22	25V	6 x 16	.43	.387	.348	.313
331571CB	AN22/50 ⊕	22	50V	6 x 16	.75	.71	.545	.437
331627CB	AN22/63 ⊕	22	63V	8 x 16	.75	.71	.55	.437

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) DxH	Pricing 1	10	100	500
331660CB	AN22/100 ⊕	22	100V	10 x 18	$.86	$.77	$.69	$.62
331580CB	AN33/50 ⊕	33	50V	8 x 16	.69	.68	.67	.51
331678CB	AN33/100 ⊕	33	100V	10 x 20	.87	.83	.67	.51
331504CB	AN47/25 ⊕	47	25V	6 x 16	.51	.459	.413	.372
331598CB	AN47/50 ⊕	47	50V	8 x 16	.85	.80	.74	.59
331686CB	AN47/100 ⊕	47	100V	10 x 21	1.39	1.25	1.13	1.01
331467CB	AN100/16 ⊕	100	16V	8 x 16	.53	.477	.429	.386
331512CB	AN100/25 ⊕	100	25V	8 x 20	.57	.513	.462	.416
331601CB	AN100/50 ⊕	100	50V	10 x 18	.91	.87	.83	.79
331694CB	AN100/100 ⊕	100	100V	13 x 25	2.35	2.12	1.91	1.72
331475CB	AN220/16 ⊕	220	16V	8 x 20	.75	.68	.61	.55
331619CB	AN220/50 ⊕	220	50V	13 x 25	1.39	1.32	.99	.79

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

JAMECO ValuePro — A Jameco EXCLUSIVE

Snap-Mount Large-Can Aluminum Electrolytic Capacitors (±20%)

- Designed as an input filter for switched mode power supply; standard 10mm (0.40") snap-in spacing
- Operating temperature range: (SNA) -40°C to +85°C; (SNB) -40°C to +105°C
- Can-Top safety vent

† **CROSS REFERENCES: Aero M**: LP/LPR; **Elna**: LP3/LP4; **Illinois Capacitor**: LBA/LPR; **Mallory**: LPX; **Marcon**: CEAWF; **Nichicon**: LLK/LLQ; **Panasonic**: TS-UP/TS-U; **Phillips** (MEPCO): 3487/3489; **Rubycon**: RSP; **Sprague**: 80D/82D; **United Chemicon**: SMG(VN)/SMH(VN)

Snap-Ins!



115422CB

Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) D x H	Pricing 1	10	100
331838CB	SNA68/450 ⊕	68	450V	22 x 30	$2.55	$2.19	$1.26
331926CB	SNB100/200 ⊕	100	200V	30 x 40	1.95	1.50	.81
331846CB	SNA120/450 ⊕	120	450V	22 x 40	3.09	2.33	1.45
331766CB	SNA220/200 ⊕	220	200V	22 x 27	1.89	1.42	.89
331934CB	SNB220/200 ⊕	220	200V	22 x 27	2.19	1.81	1.25
331791CB	SNA220/250 ⊕	220	250V	22 x 36	2.19	1.65	1.02
332013CB	SNB220/250 ⊕	220	250V	22 x 36	1.99	1.89	1.25
331854CB	SNA220/450 ⊕	220	450V	25 x 48	4.39	3.31	2.06
203238CB	SN270/350 ⊕	270	350V	25 x 40	~~$4.15~~ 2.95	2.66	2.39
331774CB	SNA330/200 ⊕	330	200V	25 x 35	2.55	1.49	1.29
331942CB	SNB330/200 ⊕	330	200V	25 x 30	1.75	1.66	1.39
331803CB	SNA330/250 ⊕	330	250V	22 x 36	1.99	1.83	1.21
332021CB	SNB330/250 ⊕	330	250V	22 x 36	2.19	2.10	1.35
203246CB	SN330/400 ⊕	330	400V	30 x 46	~~$4.69~~ 3.69	3.32	2.59
331862CB	SNA330/450 ⊕	330	450V	35 x 48	5.99	4.52	2.80
331951CB	SNB470/200 ⊕	470	200V	22 x 41	2.39	2.19	1.26
331811CB	SNA470/250 ⊕	470	250V	25 x 40	3.05	2.30	1.43
332030CB	SNB470/250 ⊕	470	250V	25 x 40	2.35	2.15	1.61
203263CB	SN470/400/5 ⊕	470	450V	35 x 51	8.25	7.60	5.69
155890CB	SN560/200 ⊕	560	200V	23 x 41	3.19	2.71	2.03
331782CB	SNA560/200 ⊕	560	200V	25 x 36	2.99	2.12	1.22
331969CB	SNB560/200 ⊕	560	200V	25 x 36	3.35	2.39	1.36
332048CB	SNA560/250 ⊕	560	250V	30 x 40	2.95	2.80	1.81

Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) D x H	Pricing 1	10	100
203271CB	SN680/200/2 ⊕	680	200V	35 x 25	$1.29	$1.15	$1.09
331977CB	SNB680/200 ⊕	680	200V	25 x 40	3.05	2.69	2.42
331820CB	SNA680/250 ⊕	680	250V	25 x 48	3.79	2.86	1.77
332056CB	SNB680/250 ⊕	680	250V	25 x 48	3.89	3.53	2.28
331985CB	SNB820/200 ⊕	820	200V	25 x 48	3.15	2.78	1.73
332064CB	SNB820/250 ⊕	820	250V	30 x 48	4.35	4.03	2.50
331993CB	SNB1000/200 ⊕	1,000	200V	30 x 40	4.29	3.23	2.00
332072CB	SNB1000/250 ⊕	1,000	250V	35 x 50	4.75	4.37	3.19
332005CB	SNB1500/200 ⊕	1,500	200V	35 x 48	5.45	4.24	2.76
331871CB	SNB2200/50 ⊕	2,200	50V	22 x 26	3.19	2.26	1.30
331889CB	SNB3300/50 ⊕	3,300	50V	25 x 23	2.45	2.01	1.17
331740CB	SNA3300/80 ⊕	3,300	80V	22 x 48	2.35	2.23	1.75
331897CB	SNB4700/50 ⊕	4,700	50V	25 x 30	2.19	1.99	1.79
115422CB	SN4700/50 ⊕	4,700	50V	30 x 41	~~$3.19~~ 2.19	1.99	1.49
331723CB	SNA4700/63 ⊕	4,700	63V	25 x 40	3.75	3.06	2.54
331900CB	SNB6800/50 ⊕	6,800	50V	25 x 40	2.69	2.40	1.82
115432CB	SN6800/50 ⊕	6,800	50V	30 x 51	3.15	2.68	2.01
331758CB	SNA8200/80 ⊕	8,200	80V	35 x 53	6.89	5.15	4.00
331707CB	SNA10000/16 ⊕	10,000	16V	22 x 30	3.29	1.90	1.34
331918CB	SNB10000/50 ⊕	10,000	50V	25 x 41	4.65	3.51	2.58
157737CB	SN10000/50 ⊕	10,000	50V	35 x 40	4.95	4.10	3.99
331731CB	SNA10000/63 ⊕	10,000	63V	35 x 40	5.49	4.45	3.94
331715CB	SNA15000/25 ⊕	15,000	25V	25 x 40	2.65	2.35	1.78

Other Manufacturers — Great Deals*

Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) D x H	Pricing 1	10	100
203211CB	SN220/400/2 ⊕	220	400V	22 x 51	$4.15	$3.53	$2.65
115377CB	SN470/200 ⊕	470	200V	30 x 41	2.49	2.25	1.99
203254CB	SN470/400/4 ⊕	470	400V	35 x 41	6.35	5.40	4.05

Part No.	Cross Ref. No.†	Value (µF)	Voltage	Size (mm) D x H	Pricing 1	10	100
155889CB	SN560/200	560	200V	23 x 41	$2.49	$2.12	$1.59
115431CB	SN6800/50	6,800	50V	30 x 51	2.85	2.41	1.81

*Capacitor dimensions may vary

JAMECO ValuePro

Memory Back-Up Capacitors

A Jameco EXCLUSIVE



142922CB 227811CB

Applications: • Memory back-up of remote controllers
• Back-up on CMOS microcomputers, static RAM, DTSs (digital tuning systems)

Features:
• Small size vs. capacitance • Voltage: 5.5VDC
• Excellent voltage holding characteristics for low back-up currents

Part No.	Cross Ref. No.	Value (Farad)	Size (mm) L x T x Dia.	Pricing 1	10	100
142922CB	MBC.047/5.5 ⊕	.047	10.6 x 6.6 x 12.0	$1.49	$1.34	$.99
142949CB	MBC.22/5.5 ⊕	.22	11.8 x 6.4 x 12.8	2.09	1.79	1.41
143010CB	MBC.47/5.5 ⊕	.47	13.3 x 9.2 x 21.1	3.49	3.15	2.59

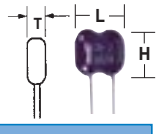
Other Manufacturers — Great Deals*

Part No.	Cross Ref. No.	Value	Size (mm) L x T x Dia.	Pricing 1	10	100
142957CB	MBC1.0/5.5 ⊕	1.0	—	$4.29	$3.85	$3.49
227811CB	S5R5V105 ⊕	1.0	24.2 x 4.3 x 18.0	4.49	3.82	2.86

*Capacitor dimensions and styles may vary

Dipped Silver Mica Capacitors (±5%)

Metallized Polyester Film Capacitors



- Case type: DM15 • Lead Space: 0.23"
- Tolerance: ±5%
- Operating temp. range: -55˚ to +125˚C

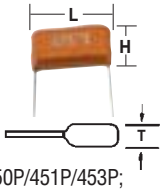
Other Manufacturers — Great Deals*

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) L x T x H	Pricing 1	10	100	1000
15991CB	DM100 ⊕	10pF	500	11 x 4 x 9	$.49	$.44	$.333	$.249
16037CB	DM220 ⊕	22pF	500	11 x 4 x 9	.49	.39	.29	.23
16070CB	DM330 ⊕	33pF	500	11 x 4 x 9	.49	.38	.31	.29
16096CB	DM470 ⊕	47pF	500	11 x 4 x 9	.49	.39	.29	.25
16002CB	DM101 ⊕	100pF	500	11 x 4 x 9	.49	.44	.35	.26
16088CB	DM331 ⊕	330pF	500	11 x 4 x 9	.89	.73	.55	.45
16109CB	DM471 ⊕	470pF	500	11 x 4 x 9	1.05	.95	.79	.65
16011CB	DM102 ⊕	1000pF	100	11 x 4 x 9	1.19	1.07	.86	.64

*Capacitor dimensions and styles may vary

Mylar Capacitors (±10%)

Metallized Polyester Film Capacitors



- High performance at low cost • Non-inductive construction
- Operating temp. ramge: -40°C to +85°C
- Dissipation factor: ≤0.01 (at 1kHz)
- Dielectric strength: 150% of rated voltage for 5 sec

Lower $$$

†**Cross References: Panasonic:** ECQ-E Series; **Sprague:** DF/450P/451P/453P; **Westlake:** 160/168/ 185/167/184/186; **Rubycon:** MC/MN; **Mepco:** 713A1/719A1/ C280; **TRW:** X601PE/ X601CPE; **Packtron:** MF/RB; **Secor:** MMKS/MMKR/MMDR; **RIFA:** PHE353/ PHE354;**Roederstein:** MKT 1818/MKT 1822; **WIMA:** MKS; **CSF Thompson:** MD/ MC; **Siemens:** B325X-XX; **NIC:** NEM/NRM; **Nichicon:** DDXM; **Phillips:** 712 A1 series

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.†	Value (µF)	Volt. (V)	Size (mm)* L x T x H	Pricing 1	10	100	1000
26833CB	MY.001 ⊕	.001	100	7.0 x 3.0 x 7.0	✳	$.092	$.062	$.048
207802CB	MY.0015/1000 ⊕	.0015	1000	23.5 x 5.1 x 10.7	✳	.023	.02	.018
26868CB	MY.0022 ⊕	.0022	100	6.0 x 3.0 x 10.0	✳	.09	.056	.043
26876CB	MY.0047 ⊕	.0047	100	6.0 x 3.0 x 9.0	✳	.14	.13	.11
207829CB	MY.0068/220 ⊕	.0068	220	18.0 x 5.5 x 10.0	✳	.066	.059	.053
26884CB	MY.01 ⊕	.01	100	6.0 x 3.0 x 7.0	✳	.13	.096	.091
207837CB	MY.018/50 ⊕	.018	50	6.1 x 2.6 x 11.3	✳	.04	.036	.032
26905CB	MY.022 ⊕	.022	100	6.0 x 3.0 x 10.0	✳	.13	.095	.09
26921CB	MY.033 ⊕	.033	100	8.0 x 4.0 x 11.0	✳	.11	.088	.084
207861CB	MY.033/400 ⊕	.033	400	11.0 x 4.0 x 8.0	.36	.245	.144	.114
26930CB	MY.047 ⊕	.047	100	8.0 x 4.0 x 12.0	✳	.12	.104	.099
135562CB	MY.1/50 ⊕	.1 ††	50	14.0 x 6.0 x 12.0	✳	.14	.12	.094
26956CB	MY.1 ⊕	.1	100	12.5 x 5.0 x 9.5	.27	.233	.185	.119
93921CB	MY.1/250 ⊕	.1	250	12.5 x 5.5 x 10	✳	.17	.14	.122
26972CB	MY.22 ⊕	.22	100	12.5 x 5.5 x 10	✳	.19	.12	.085
93964CB	MY.33/250 ⊕	.33	250	18.0 x 7.0 x 12.5	.27	.24	.22	.17
26999CB	MY.47 ⊕	.47	100	18.0 x 6.0 x 11.5	.30	.263	.238	.225
27001CB	MY1 ⊕	1.0	100	18.0 x 7.5 x 14.0	.56	.447	.333	.316
93981CB	MY1/250 ⊕	1.0	250	26.0 x 9.0 x 16.0	.62	.45	.38	.36
93999CB	MY2.2/250 ⊕	2.2	250	26.0 x 9.0 x 16.0	.92	.75	.62	.535

†† ±20% tolerance *Capacitor dimensions and styles may vary

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

JAMECO ValuePro

Dipped Tantalum Capacitors (±10%)

NEW

A Jameco EXCLUSIVE

Resin Dipped Solid Tantalum Capacitors



- Operating temp. range: -55°C to +85°C (+125°C with derating)
- Rated voltage DC: ≤ +85°C
- Low leakage current
- Exceptional temperature stability
- Moisture-resistant
- Flame retardant coating
- Designed for entertainment and commercial equipment

†**Cross References: Panasonic:** EF Series; **AVX:** Tap Series; **Sprague:** 196D and 199D; **Matsuo:** 202; **Kemet:** T350/ T360; **Mepco:** 49GS; **NEC:** DN; **Nichicon:** 599; **NIC:** NDTM; **Hitachi:** TSD-3

✳ **Prepackaged: order in increments of 10, 100 or 500**

Part No.	Cross Ref. No. †	Value (µF)	Volt. (V)	Size (mm) D x H x L.S.	Pricing 1	10	100	500
33487CB	TM.1 ⊕	.10	35	4.5 x 7 x 2.5	$.27	$.25	$.19	$.15
332110CB	TDR0.1/50 ⊕	.10	50	4.5 x 7 x 2.5	.40	.348	.28	.22
33508CB	TM.22 ⊕	.22	35	4.5 x 7 x 2.5	.27	.25	.19	.15
545908CB	TAP334K035SCS ♻	.33	35	4.3 x 7 x 2.5	.26	.224	.202	.194
33524CB	TM.33 ⊕	.33	35	4.5 x 7 x 2.5	.25	.225	.19	.143
545916CB	TAP334K050SCS ♻	.33	50	4.3 x 7 x 2.5	.29	.25	.227	.219
332128CB	TDR0.33/50 ⊕	.33	50	4.5 x 7 x 2.5	.39	.351	.227	.18
546038CB	TAP474K035SCS ♻	.47	35	4.3 x 7 x 2.5	.26	.224	.202	.194
33532CB	TM.47 ⊕	.47	35	4.5 x 7 x 2.5	.22	.20	.15	.14
546046CB	TAP474K050SCS ♻	.47	50	4.3 x 7 x 2.5	.33	.279	.254	.243
332136CB	TDR0.47/50 ⊕	.47	50	4.5 x 7 x 2.5	.39	.351	.24	.18
546134CB	TAP684K035SCS ♻	.68	35	4.3 x 7 x 2.5	.26	.247	.202	.194
61103CB	TM.68 ⊕	.68	35	4.5 x 7 x 2.5	.33	.29	.21	.19
546142CB	TAP684K050SCS ♻	.68	50	4.3 x 7 x 2.5	.33	.314	.254	.243
545588CB	TAP105K025SCS ♻	1	25	4.3 x 7 x 2.5	.23	.194	.177	.168
154861CB	TM1/25 ⊕	1	25	4.5 x 7 x 2.5	.32	.29	.25	.22
545596CB	TAP105K035SCS ♻	1	35	4.3 x 7 x 2.5	.20	.169	.154	.151
545561CB	TAP104K035SCS ♻	1	35	4 x 6 x 2.5	.26	.194	.161	.153
33663CB	TM1 ⊕	1	35	4.5 x 7 x 2.5	.32	.29	.25	.22
545609CB	TAP105K050SCS ♻	1	50	4.7 x 7.5 x 2.5	.30	.254	.23	.219
332144CB	TDR1/50 ⊕	1	50	8.0 x 5 x 2.5	.34	.30	.216	.21
545705CB	TAP155K025SCS ♻	1.5	25	4.3 x 7 x 2.5	.26	.224	.202	.194
545713CB	TAP155K035SCS ♻	1.5	35	4.3 x 7 x 2.5	.30	.257	.234	.219
94002CB	TM2.2/16 ⊕	2.2	16	4.5 x 7 x 2.5	.21	.19	.16	.12
33735CB	TM2.2/35 ⊕	2.2	35	5 x 8 x 2.5	.39	.35	.29	.22
545799CB	TAP225K020SCS ♻	2.2	20	4.3 x 7 x 2.5	.30	.257	.234	.219
545801CB	TAP225K025SCS ♻	2.2	25	4.3 x 7 x 2.5	.24	.203	.184	.175
545810CB	TAP225K035SCS ♻	2.2	35	4.3 x 7 x 2.5	.26	.22	.20	.19
545828CB	TAP225K050SCS ♻	2.2	50	5.4 x 8 x 2.5	.53	.448	.407	.404
332152CB	TDR2.2/50 ⊕	2.2	50	6.5 x 11 x 2.5	.73	.63	.50	.45
545924CB	TAP335K010SCS ♻	3.3	10	4 x 6 x 2.5	.26	.224	.202	.194
545932CB	TAP335K016SCS ♻	3.3	16	4.3 x 7 x 2.5	.26	.224	.202	.194
545941CB	TAP335K025SCS ♻	3.3	25	4.3 x 7 x 2.5	.33	.279	.254	.243
545959CB	TAP335K035SCS ♻	3.3	35	4.3 x 7 x 2.5	.41	.347	.314	.30
33770CB	TM3.3 ⊕	3.3	35	5 x 8 x 2.5	.45	.36	.32	.24
545967CB	TAP335K050SCS ♻	3.3	50	5.4 x 8 x 2.5	.65	.64	.63	.62
546054CB	TAP475K010SCS ♻	4.7	10	4.3 x 7 x 2.5	.25	.213	.193	.184
546062CB	TAP475K016SCS ♻	4.7	16	4.3 x 7 x 2.5	.28	.249	.228	.205
94036CB	TM4.7/16 ⊕	4.7	16	5 x 8 x 2.5	.47	.38	.28	.20
546071CB	TAP475K025SCS ♻	4.7	25	4.3 x 7 x 2.5	.38	.36	.263	.25
94044CB	TM4. 7/25 ⊕	4.7	25	5 x 8 x 2.5	.49	.44	.33	.20
546089CB	TAP475K035SCS ♻	4.7	35	4.7 x 7.5 x 2.5	.33	.314	.258	.245
33807CB	TM4.7 ⊕	4.7	35	5.5 x 9.5 x 2.5	.45	.42	.37	.27
546097CB	TAP475K050SCS ♻	4.7	50	6 x 9.4 x 2.5	.91	.90	.89	.88
546151CB	TAP685K006SCS ♻	6.8	6.3	4 x 6 x 2.5	.26	.247	.202	.194
546169CB	TAP685K010SCS ♻	6.8	10	4.3 x 7 x 2.5	.37	.352	.284	.267
546177CB	TAP685K016SCS ♻	6.8	16	4.3 x 7 x 2.5	.39	.371	.299	.284
546185CB	TAP685K025SCS ♻	6.8	25	4.7 x 7.5 x 2.5	.51	.439	.348	.331
546193CB	TAP685K035SCS ♻	6.8	35	4.7 x 7.5 x 2.5	.51	.485	.391	.373
33874CB	TM6.8 ⊕	6.8	35	6.5 x 11 x 2.5	.59	.45	.36	.32

Part No.	Cross Ref. No. †	Value (µF)	Volt. (V)	Size (mm) D x H x L.S.	Pricing 1	10	100	500
545617CB	TAP106K006SCS ♻	10	6.3	4.3 x 7 x 2.5	$.33	$.279	$.254	$.243
545625CB	TAP106K010SCS ♻	10	10	4.7 x 7.5 x 2.5	.42	.253	.224	.213
94061CB	TM10/16 ⊕	10	16	5 x 8 x 2.5	.45	.39	.29	.25
545633CB	TAP106K020SCS ♻	10	20	5.4 x 8 x 2.5	.50	.423	.384	.365
545641CB	TAP106K025SCS ♻	10	25	5.4 x 8 x 2.5	.58	.498	.395	.389
94079CB	TM10/25 ⊕	10	25	5.5 x 9.5 x 2.5	.59	.50	.40	.36
545570CB	TAP104K050SCS ♻	10	35	4 x 6 x 2.5	.31	.269	.227	.219
545650CB	TAP106K035SCS ♻	10	35	5.4 x 8 x 2.5	.81	.77	.68	.62
33690CB	TM10 ⊕	10	35	5.5 x 11 x 2.5	.89	.79	.69	.59
332161CB	TDR10/50 ⊕	10	50	8.5 x 13 x 2.5	3.15	2.78	2.27	2.09
545721CB	TAP156K010SCS ♻	15	10	4.7 x 7.5 x 2.5	.44	.372	.338	.324
545730CB	TAP156K016SCS ♻	15	16	5.4 x 8 x 2.5	.53	.448	.407	.389
545748CB	TAP156K020SCS ♻	15	20	5.4 x 8 x 2.5	.54	.457	.414	.397
33719CB	TM15 ⊕	15	25	6.5 x 11 x 2.5	.89	.80	.72	.61
597468CB	TAP156K035SCS ♻	15	35	6 x 9.4 x 2.5	1.79	1.52	1.38	1.30
545692CB	TAP154K035SCS ♻	15	35	4 x 6 x 2.5	.26	.224	.202	.194
545836CB	TAP226K006SCS ♻	22	6.3	4.7 x 7.5 x 2.5	.44	.372	.338	.324
33752CB	TM22 ⊕	22	6.3	5.5 x 9.5 x 2.5	.45	.37	.26	.22
545844CB	TAP226K010SCS ♻	22	10	5.4 x 8 x 2.5	.50	.423	.384	.365
545852CB	TAP226K016SCS ♻	22	16	5.4 x 8 x 2.5	.40	.338	.307	.305
94095CB	TM22/16 ⊕	22	16	5.5 x 9.5 x 2.5	.69	.59	.49	.45
545861CB	TAP226K020SCS ♻	22	20	6 x 9.4 x 2.5	1.01	.86	.77	.73
545879CB	TAP226K025SCS ♻	22	25	6 x 9.4 x 2.5	1.75	1.27	1.15	1.08
545887CB	TAP226K035SCS ♻	22	35	7 x 11 x 2.5	1.39	1.18	1.07	1.05
332101CB	TDR22/35 ⊕	22	35	8.5 x 13 x 2.5	2.15	1.85	1.25	1.15
545781CB	TAP224K050SCS ♻	22	50	4 x 6 x 2.5	.29	.25	.227	.219
545975CB	TAP336K006SCS ♻	33	6.3	5.4 x 8 x 2.5	.47	.397	.361	.34
545983CB	TAP336K010SCS ♻	33	10	5.4 x 8 x 2.5	.58	.491	.446	.421
545991CB	TAP336K016SCS ♻	33	16	6 x 9.4 x 2.5	1.03	.87	.78	.75
546003CB	TAP336K020SCS ♻	33	20	6 x 9.4 x 2.5	1.45	1.23	1.12	1.05
546011CB	TAP336K025SCS ♻	33	25	6 x 9.4 x 2.5	1.89	1.60	1.45	1.38
33786CB	TM33 ⊕	33	25	8.5 x 13 x 2.5	2.35	2.09	1.62	1.05
546020CB	TAP336K035CCS ♻	33	35	8.2 x 12.5 x 2.5	3.15	2.67	2.43	2.28
546100CB	TAP476K010SCS ♻	47	10	6 x 9.4 x 2.5	1.03	.98	.79	.75
546118CB	TAP476K016SCS ♻	47	16	6 x 9.4 x 2.5	1.59	1.52	1.22	1.14
94124CB	TM47/16 ⊕	47	16	6.5 x 11 x 2.5	1.69	1.55	1.35	.95
33823CB	TM47 ⊕	47	25	9.5 x 16.5 x 2.5	3.39	3.05	2.35	1.85
546126CB	TAP476K035CCS ♻	47	35	8.2 x 12.5 x 5	5.55	5.28	3.76	3.58
546206CB	TAP686K006SCS ♻	68	6.3	6 x 9.4 x 2.5	.62	.59	.476	.454
546214CB	TAP686K010SCS ♻	68	10	6 x 9.4 x 2.5	1.49	1.42	1.15	1.08
546222CB	TAP686K016SCS ♻	68	16	7 x 11 x 2.5	1.95	1.85	1.48	1.39
546231CB	TAP686K020CCS ♻	68	20	8.2 x12.5 x 5	4.09	3.89	3.14	2.95
332099CB	TDR68/25 ⊕	68	25	9.5 x 16.5 x 2.5	6.49	5.64	4.42	3.98
545668CB	TAP107K006SCS ♻	100	6.3	6.0 x 9.4 x 2.5	1.31	1.12	1.01	.96
33701CB	TM100 ⊕	100	6.3	8.5 x 13 x 2.5	1.19	1.09	.95	.85
597450CB	TAP107K016CCS ♻	100	16	7 x 11 x 2.5	4.09	3.46	3.14	2.95
545684CB	TAP107K020CCS ♻	100	20	8.2 x 12.5 x 2.5	4.69	3.97	3.61	3.43
545764CB	TAP157K006CCS ♻	150	6.3	7 x 11 x 2.5	1.95	1.63	1.48	1.39
545772CB	TAP157K010CCS ♻	150	10	7 x 11 x 2.5	3.79	3.22	2.92	2.74
545895CB	TAP227K010CCS ♻	220	10	8.2 x 12.5 x 2.5	4.69	3.97	3.61	3.43

*Other Manufacturers — Great Deals**

Part No.	Ref. No.	Value (µF)	Volt. (V)	Size (mm) D x H x L.S.	Pricing 1	10	100	500
33486CB	TM.1 ⊕	.10	35	4.5 x 7	$.23	$.225	$.171	$.135
33507CB	TM.22 ⊕	.22	35	4.5 x 7	✳	.265	.182	.137
33523CB	TM.33 ⊕	.33	35	4.5 x 7	✳	.225	.171	.135
33531CB	TM.47 ⊕	.47	35	4.5 x 7	✳	.18	.135	.126
61102CB	TM.68 ⊕	.68	35	4.5 x 7	✳	.25	.213	.159
154860CB	TM1/25 ⊕	1	25	4.5 x 7	.29	.261	.225	.198
33662CB	TM1 ⊕	1	35	4.5 x 7	.29	.261	.225	.198
94001CB	TM2.2/16 ⊕	2.2	16	4.5 x 7	.29	.24	.20	.15
94019CB	TM2.2/25 ⊕	2.2	25	4.5 x 7	.35	.29	.23	.18
33734CB	TM2.2 ⊕	2.2	35	5 x 8	.35	.315	.261	.198
33769CB	TM3.3 ⊕	3.3	35	5 x 8	.50	.324	.297	.279
94035CB	TM4.7/16 ⊕	4.7	16	5 x 8	.34	.31	.27	.20
94043CB	TM4.7/25 ⊕	4.7	25	5 x 8	.44	.396	.297	.18

Part No.	Ref. No.	Value (µF)	Volt. (V)	Size (mm) D x H x L.S.	Pricing 1	10	100	500
33806CB	TM4.7 ⊕	4.7	35	5.5 x 9.5	$.41	$.378	$.333	$.243
33873CB	TM6.8 ⊕	6.8	35	6.5 x 11	.53	.48	.38	.29
94060CB	TM10/16	10	16	5.0 x 8	.41	.351	.261	.225
94078CB	TM10/25	10	25	5.5 x 9.5	.53	.45	.36	.324
33689CB	TM10 ⊕	10	35	6.5 x 11	.80	.71	.62	.53
33718CB	TM15 ⊕	15	25	6.5 x 11	.80	.72	.65	.58
33751CB	TM22	22	6.3	5.5 x 9.5	.49	.44	.35	.26
94094CB	TM22/16	22	16	5.5 x 9.5	.62	.53	.441	.405
94107CB	TM22/25	22	25	8.5 x 13	1.59	1.45	.89	.79
33785CB	TM33 ⊕	33	25	8.5 x 13	2.09	1.89	1.45	.95
94123CB	TM47/16	47	16	6.5 x 11	1.55	1.39	1.25	.86
33822CB	TM47 ⊕	47	25	9.5 x 16.5	3.05	2.75	2.09	1.65
33700CB	TM100 ⊕	100	6.3	8.5 x 13	1.09	.99	.86	.77

***Capacitor dimensions and styles may vary**

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

JAMECO ValuePro

A Jameco EXCLUSIVE

Ceramic Disc Capacitors (±20%)

25, 50 and 1000 Volt, Z5U Temperature Coefficient

Operating temperature range	+10°C to +85°C
Cap. change over temp. range	+22% to -56%
Dielectric withstanding voltage	2.5 times rated volt. for not < 1 sec.



✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Value	Voltage (V)	Size (mm) Dia. x L.S.	Pricing 1	10	100	1000	5000
332179CB	CD1/50 ⊕	1pF	50	5 x 2.5	✳	$.014	$.009	$.008	$.007
135142CB	DC2.2 ⊕	2.2pF	50	5 x 2.5	✳	.05	.035	.019	.015
332291CB	CD3.3/1000 ⊕	3.3pF	1000	5 x 2.5	✳	.176	.103	.098	.097
332187CB	CD5/50 ⊕	5pF	50	5 x 2.5	✳	.056	.028	.027	.026
332304CB	CD5/1000 ⊕	5pF	1000	5 x 2.5	✳	.143	.108	.097	.092
15334CB	DC10 ⊕	10pF	50	5 x 2.5	✳	.07	.05	.02	.015
332312CB	CD10/1000 ⊕	10pF	1000	6 x 2.5	.44	.35	.20	.18	.17
332195CB	CD12/50 ⊕	12pF	50	5 x 2.5	✳	.014	.009	.008	.007
332208CB	CD15/50 ⊕	15pF	50	5 x 2.5	✳	.03	.018	.016	.015
332321CB	CD20/1000 ⊕	20pF	1000	5 x 2.5	.44	.35	.20	.18	.17
15406CB	DC22 ⊕	22pF	50	6 x 2.5	✳	.078	.055	.028	.022
332339CB	CD22/1000 ⊕	22pF	1000	5 x 2.5	✳	.093	.052	.048	.044
332216CB	CD33/50 ⊕	33pF	50	5 x 2.5	✳	.056	.027	.025	.02
15511CB	DC47 ⊕	47pF	50	5 x 2.5	✳	.055	.039	.022	.017
332347CB	CD47/1000 ⊕	47pF	1000	5 x 2.5	.42	.234	.167	.092	.08
332224CB	CD68/50 ⊕	68pF	50	5 x 2.5	✳	.065	.033	.029	.025
332355CB	CD68/1000 ⊕	68pF	1000	5 x 2.5	✳	.141	.095	.086	.082
15342CB	DC100 ⊕	100pF	50	5 x 2.5	✳	.056	.039	.028	.022
332232CB	CD120/50 ⊕	120pF	50	5 x 2.5	✳	.056	.029	.027	.021
332363CB	CD120/1000 ⊕	120pF	1000	5 x 2.5	.23	.206	.147	.081	.071
332371CB	CD150/1000 ⊕	150pF	1000	5 x 2.5	✳	.201	.143	.079	.068
15414CB	DC220 ⊕	220pF	50	5 x 2.5	✳	.05	.035	.025	.015
332380CB	CD220/1000 ⊕	220pF	1000	5 x 2.5	.42	.201	.143	.079	.068
15449CB	DC330 ⊕	330pF	50	5 x 2.5	✳	.05	.035	.025	.022
332398CB	CD330/1000 ⊕	330pF	1000	5 x 2.5	.42	.235	.17	.096	.091
15529CB	DC470 ⊕	470pF	50	5 x 2.5	✳	.09	.072	.028	.024

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Value	Voltage (V)	Size (mm) Dia. x L.S.	Pricing 1	10	100	1000	5000
332401CB	CD470/1000 ⊕	470pF	1000	5 x 2.5	$.42	$.235	$.17	$.096	$.09
332419CB	CD560/1000 ⊕	560pF	1000	6 x 2.5	✳	.043	.042	.041	.039
332241CB	CD680/50 ⊕	680pF	50	5 x 2.5	✳	.056	.03	.027	.021
332427CB	CD680/1000 ⊕	680pF	1000	6 x 2.5	✳	.149	.084	.071	.067
207853CB	DC820/1000	820pF	1000	14 x 2.5	✳	.07	.063	.057	.051
332435CB	CD1000/1000 ⊕	1000pF	1000	5 x 2.5	.38	.235	.17	.096	.09
332259CB	CD1200/50 ⊕	1200pF	50	5 x 2.5	✳	.056	.03	.027	.021
332267CB	CD1500/50 ⊕	1500pF	50	5 x 2.5	✳	.056	.03	.027	.021
332275CB	CD2200/50 ⊕	2200pF	50	5 x 2.5	✳	.074	.037	.033	.027
332443CB	CD2200/1000 ⊕	2200pF	1000	6 x 2.5	.42	.293	.235	.12	.112
332283CB	CD3300/50 ⊕	3300pF	50	5 x 2.5	✳	.074	.037	.033	.027
332451CB	CD4700/1000 ⊕	4700pF	1000	7 x 2.5	.35	.34	.208	.198	.188
332460CB	CD5000/1000 ⊕	5000pF	1000	7 x 2.5	.31	.30	.186	.177	.168
332478CB	CD7500/1000 ⊕	7500pF	1000	8 x 2.5	.48	.456	.323	.307	.292
15191CB	DC.001 ⊕	.001µF	50	6 x 2.5	✳	.067	.056	.028	.024
97342CB	DC.0022/1K20 ⊕	.0022µF	1000	11 x 2.5	✳	.22	.18	.16	.11
15212CB	DC.0047 ⊕	.0047µF	50	6 x 2.5	✳	.097	.088	.083	.078
15230CB	DC.01 ⊕	.01µF	50	6 x 2.5	✳	.067	.045	.033	.023
97376CB	DC.01/1K20 ⊕	.01µF	1000	12 x 2.5	✳	.20	.133	.093	.073
332486CB	CD20000/1000 ⊕	.02uF	1000	16 x 2.5	.60	.57	.33	.26	.247
15246CB	DC.022 ⊕	.022µF	50	8 x 2.5	✳	.07	.05	.04	.03
15254CB	DC.047 ⊕	.047µF	50	8 x 2.5	✳	.093	.077	.063	.044
332494CB	CD47000/1000 ⊕	.047uF	1000	16 x 2.5	1.59	1.22	.71	.68	.65
332507CB	CD50000/1000 ⊕	.05uF	1000	16 x 2.5	1.35	1.28	.81	.65	.62
151117CB	DC.1/25 ⊕	.1µF	25	6 x 2.5	✳	.155	.145	.089	.078
15271CB	DC.1 ⊕	.1µF	50	8 x 2.5	✳	.167	.145	.128	.105
332515CB	CD100000/1000 ⊕	.1uF	1000	21 x 2.5	1.95	1.79	1.05	.83	.79

Other Manufacturers — Great Deals*

Quantity SAVE

Part No.	Cross Ref. No.	Value	Voltage (V)	Size (mm) Dia. x L.S.	Pricing 1	10	100	1000	5000
135141CB	DC2.2 ⊕	2.2pF	50	5	✳	$.05	$.032	$.017	$.014
15333CB	DC10 ⊕	10pF	50	5	✳	.063	.045	.018	.013
15405CB	DC22 ⊕	22pF	50	6	✳	.07	.05	.025	.02
15510CB	DC47 ⊕	47pF	50	5	✳	.05	.035	.02	.015
15341CB	DC100 ⊕	100pF	50	5	✳	.05	.035	.025	.02
15413CB	DC220 ⊕	220pF	50	5	✳	.045	.032	.023	.013
15448CB	DC330 ⊕	330pF	50	5	✳	.045	.041	.029	.016
15528CB	DC470 ⊕	470pF	50	5	✳	.08	.065	.025	.022
15190CB	DC.001 ⊕	.001µF	50	6	✳	.06	.054	.043	.032

Part No.	Cross Ref. No.	Value	Voltage (V)	Size (mm) Dia. x L.S.	Pricing 1	10	100	1000	5000
97341CB	DC.0022/1K20	.0022µF	1000	11	✳	$.242	$.166	$.097	$.072
15211CB	DC.0047 ⊕	.0047µF	50	6	✳	.045	.032	.027	.02
15229CB	DC.01 ⊕	.01µF	50	6	✳	.06	.04	.03	.02
97375CB	DC.01/1K20	.01µF	1000	12	✳	.18	.12	.084	.066
15245CB	DC.022 ⊕	.022µF	50	8	✳	.063	.045	.036	.027
15253CB	DC.047 ⊕	.047µF	50	8	✳	.084	.069	.057	.04
151116CB	DC.1/25	.1µF	25	6	✳	.14	.13	.08	.07
15270CB	DC.1 ⊕	.1µF	50	8	✳	.15	.13	.115	.095

*Capacitor dimensions and styles may vary

JAMECO ValuePro

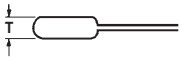
Monolithic Ceramic Capacitors (±10%) (XR7 Series)

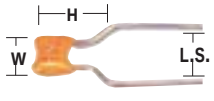
Applications: • Data processing • Communications engineering

Operating temp. range: -10°C to +85°C

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NEW





✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) WxTxHxL.S.	Pricing 1	10	100	1000	5000
332582CB	MOC100/100 ⊕	100pF	100	5.0x5.0x3.0x2.5	✳	$.14	$.12	$.081	$.071
332591CB	MOC220/100 ⊕	220pF	100	5.0x5.0x3.0x2.5	.27	.188	.134	.074	.07
332603CB	MOC330/100 ⊕	330pF	100	5.0x5.0x3.0x2.5	.27	.188	.134	.094	.089
332611CB	MOC470/100 ⊕	470pF	100	5.0x5.0x3.0x2.5	✳	.121	.088	.08	.076
544825CB	SR151C102KAA ℞	1000pF	100	3.8x2.5x3.8x5.1	✳	.087	.069	.043	.041
332620CB	MOC1000/100 ⊕	1000pF	100	5.0x5.0x3.0x2.5	✳	.107	.078	.055	.052
544841CB	SR151C222KAA ℞	2200pF	100	3.8x2.5x3.8x5.1	✳	.104	.094	.074	.071
544850CB	SR151C472KAA ℞	4700pF	100	3.8x2.5x3.8x5.1	✳	.114	.102	.081	.078
332638CB	MOC4700/100 ⊕	4700pF	100	5.0x5.0x3.0x2.5	✳	.107	.078	.055	.052
597281CB	SR211C103KAA ℞	.01µF	100	3.8x2.5x3.8x5.1	✳	.118	.098	.046	.044
544833CB	SR151C103KAA ℞	.01µF	100	3.8x2.5x3.8x5.1	✳	.103	.088	.054	.053

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) WxTxHxL.S.	Pricing 1	10	100	1000	5000
332646CB	MOC10000/100 ⊕	.01µF	100	5.0x5.0x3.0x2.5	✳	$.125	$.09	$.063	$.06
544892CB	SR211C223KAA ℞	.022µF	100	3.8x2.5x3.8x5.1	✳	.137	.13	.104	.10
332654CB	MOC22000/100 ⊕	.022µF	100	5.0x5.0x3.0x2.5	✳	.111	.08	.056	.053
544905CB	SR211C333KAA ℞	.033µF	100	3.8x2.5x3.8x5.1	✳	.142	.13	.105	.097
544913CB	SR211C473KAA ℞	.047µF	100	3.8x2.5x3.8x5.1	✳	.142	.139	.11	.107
332662CB	MOC47000/100 ⊕	.047µF	100	5.0x5.0x3.0x2.5	✳	.142	.104	.073	.069
544921CB	SR215C104KAA ℞	.1µF	50	3.8x2.5x3.8x5.1	✳	.111	.088	.057	.054
544884CB	SR211C104KAA ℞	.1µF	100	3.8x2.5x3.8x5.1	✳	.127	.09	.057	.056
332671CB	MOC100000/100 ⊕	.1µF	100	5.0x5.0x3.0x2.5	✳	.132	.096	.067	.064
332689CB	MOC150000/100 ⊕	.15µF	50	5.0x5.0x3.0x2.5	.45	.408	.366	.33	.314
544948CB	SR305C474KAA ℞	.47µF	50	3.8x2.5x3.8x5.1	.46	.396	.24	.232	.224

℞ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

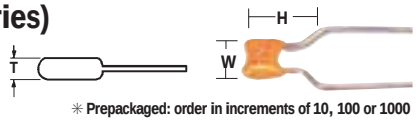
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Monolithic Ceramic Capacitors (±20%) (Z5U Series)

JAMECO ValuePro — A Jameco EXCLUSIVE

Applications: • Data processing • Communications engineering
Operating temp. range: -10°C to +85°C

NEW



✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) W x T x H x L.S.	Pricing 1	10	100	1000	5000
81542CB	MD10 ⊕	10pF	50	3.5x2.0x3.0x2.5	✳	$.10	$.065	$.045	$.034
332523CB	MOC10/100 ⊕	10pF	100	4.2x3.0x4.2x2.5	✳	.089	.065	.046	.044
332531CB	MOC15/100 ⊕	15pF	100	4.2x3.0x4.2x2.5	.30	.202	.144	.101	.096
81534CB	MD22 ⊕	22pF	50	4.0x2.0x4.0x2.5	✳	.105	.081	.05	.045
332540CB	MOC22/100 ⊕	22pF	100	4.2x3.0x4.2x2.5	✳	.10	.073	.051	.048
332558CB	MOC33/100 ⊕	33pF	100	4.2x3.0x4.2x2.5	✳	.167	.122	.08	.076
332566CB	MOC47/100 ⊕	47pF	100	4.2x3.0x4.2x2.5	✳	.118	.086	.06	.057
332574CB	MOC68/100 ⊕	68pF	100	4.2x3.0x4.2x2.5	.30	.202	.144	.101	.096
81526CB	MD100 ⊕	100pF	50	3.5x2.0x3.0x2.5	✳	.10	.078	.05	.039
81518CB	MD.001 ⊕	.001µF	50	4.5x2.0x3.0x2.5	✳	.10	.078	.075	.068
138182CB	MD.0022 ⊕	.0022µF	50	4.0x2.0x5.5x2.5	✳	.078	.067	.055	.045
25508CB	MD.01 ⊕	.01µF	50	3.5x2.0x3.0x2.5	✳	$.09	$.06	.045	$.041
57622CB	MD.047 ⊕	.047µF	50	2.5x2.5x3.0x2.5	✳	.08	.07	.05	.039
544868CB	SR151C472KAA	.1µF	50	3.8x2.5x3.8x5.1	✳	.094	.06	.034	.032
25524CB	MD.1 ⊕	.1µF	50	6.0x2.0x4.0x2.5	✳	.078	.067	.044	.039
25541CB	MD.22 ⊕	.22µF	50	6.0x2.0x4.5x2.5	✳	.189	.133	.089	.072
544930CB	SR215E334MAA	.33µF	50	3.8x2.5x3.8x5.1	✳	.174	.111	.087	.081
138238CB	MD.33 ⊕	.33µF	50	6.0x2.0x8.0x2.5	✳	.178	.155	.122	.078
25559CB	MD.47 ⊕	.47µF	50	4.5x2.5x4.5x2.5	.43	.39	.28	.21	.145
544956CB	SR305E105MAA	1µF	50	3.8x2.5x3.8x5.1	.20	.19	.149	.141	.131
81510CB	MD1 ⊕	1µF	50	6.0x3.0x7.0x2.5	.53	.48	.355	.255	.233

Other Manufacturers — Great Deals*

Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) W x T x H x L.S.	Pricing 1	10	100	1000	5000
81541CB	MD10 ⊕	10pF	50	3.5x2.0x3.0	✳	$.09	$.056	$.04	$.027
81533CB	MD22 ⊕	22pF	50	4.0x2.0x4.0	✳	.095	.073	.045	.04
81525CB	MD100 ⊕	100pF	50	3.5x2.0x3.0	✳	.09	.07	.045	.035
81517CB	MD.001 ⊕	.001µF	50	4.5x2.0x3.0	✳	.09	.07	.05	.035
138181CB	MD.0022 ⊕	.0022µF	50	4.0x2.0x5.5	✳	.07	.06	.05	.04
138202CB	MD.0047 ⊕	.0047µF	50	5.0x2.0x5.5	✳	.07	.063	.05	.038
25507CB	MD.01 ⊕	.01µF	50	3.5x2.0x3.0	✳	.10	.067	.05	.045
57621CB	MD.047	.047µF	50	2.5x2.5x3.0	✳	$.072	$.063	$.045	$.027
25523CB	MD.1 ⊕	.1µF	50	6.0x2.0x4.0	✳	.07	.06	.04	.035
25540CB	MD.22 ⊕	.22µF	50	6.0x2.0x4.5	✳	.17	.12	.08	.06
138237CB	MD.33	.33µF	50	6.0x2.0x8.0	✳	.16	.14	.11	.07
25558CB	MD.47 ⊕	.47µF	50	4.5x2.5x4.5	✳	.25	.19	.13	.12
81509CB	MD1	1µF	50	6.0x3.0x7.0	.48	.43	.32	.23	.21

*Capacitor dimensions and style may vary

Motor Capacitors

JAMECO ValuePro — A Jameco EXCLUSIVE

• Operating temp.: -25°C to +85°C • Metal or plastic shell and double welding sheet metal • Insulation resistance: >300MΩ • Quick connect



Motor Running Capacitors

Part No.	Cross Ref. No.	Value	Volt. (V)	Dimensions D x H (mm)	Pricing 1	10	100	500
332793CB	MRC370V2 ⊕	2µF	370	34 x 50	$4.69	$4.17	$3.88	$3.69
332806CB	MRC370V4 ⊕	4µF	370	34 x 50	5.05	4.80	4.33	3.90
332814CB	MRC370V5 ⊕	5µF	370	34 x 50	3.85	3.68	3.12	2.81
332822CB	MRC370V7R5 ⊕	7.5µF	370	36 x 80	5.89	3.96	3.38	3.04
332831CB	MRC370V10 ⊕	10µF	370	42 x 80	4.85	4.06	3.46	3.29
332849CB	MRC370V15 ⊕	15µF	370	40 x 70	6.05	5.07	4.38	4.16
332857CB	MRC370V25 ⊕	25µF	370	40 x 70	8.05	6.76	5.83	5.54
332865CB	MRC440V10 ⊕	10µF	440	40 x 70	6.49	5.47	4.72	4.48
332873CB	MRC440V20 ⊕	20µF	440	40 x 70	9.99	8.51	7.27	6.91

Motor Starting Capacitors

Part No.	Cross Ref. No.	Value	Volt. (V)	Dimensions D x H (mm)	Pricing 1	10	100	500
332697CB	MSC125V21 ⊕	21µF	125	37 x 70	$2.35	$2.23	$2.12	$2.01
332700CB	MSC125V124 ⊕	124µF	125	37 x 70	2.75	2.61	2.48	2.36
332718CB	MSC125V161 ⊕	161µF	125	37 x 70	2.95	2.80	2.66	2.53
332726CB	MSC125V189 ⊕	189µF	125	37 x 70	3.09	2.94	2.79	2.65
332734CB	MSC125V216 ⊕	216µF	125	37 x 86	3.29	3.13	2.97	2.82
332742CB	MSC125V270 ⊕	270µF	125	37 x 86	3.59	3.41	3.24	3.08
332751CB	MSC125V590 ⊕	590µF	125	46 x 111	6.15	5.84	5.55	5.27
332769CB	MSC250V21 ⊕	21µF	250	37 x 70	2.95	2.80	2.66	2.53
332777CB	MSC250V30 ⊕	30µF	250	37 x 70	3.09	2.94	2.90	2.87
332785CB	MSC250V53 ⊕	53µF	250	46 x 86	3.85	3.25	3.02	2.87

Surface Mount Capacitors

Aluminum Electrolytic Capacitors

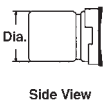
JAMECO ValuePro — A Jameco EXCLUSIVE


Tape

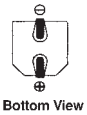

Individual

Leakage Current (20˚C) after 2 minutes	≤ .01CV or 3µA

NEW



Side View



Bottom View

Operating Temperature Range: -40˚C to +85˚C

✳ Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing 1	10	100	500
610802CB	UWX1H0R1MCL1GB	0.1	50	4.0	✳	$.108	$.096	$.091
610811CB	UWX1H0R1MCL2GB	0.1	50	3.0	✳	.108	.096	.091
610829CB	UWX1HR22MCL1GB	0.22	50	4.0	✳	.108	.096	.091
610837CB	UWX1HR22MCL2GB	0.22	50	3.0	✳	.108	.096	.091
610845CB	UWX1HR33MCL1GB	0.33	50	4.0	✳	.108	.096	.091
610853CB	UWX1HR33MCL2GB	0.33	50	3.0	✳	.108	.096	.091
610861CB	UWX1HR47MCL1GB	0.47	50	4.0	✳	.108	.096	.091
610870CB	UWX1HR47MCL2GB	0.47	50	3.0	✳	.108	.096	.091
610888CB	UWX1V2R2MCL2GB	2.2	35	4.0	✳	.103	.096	.088
610896CB	UWX1V3R3MCL2GB	3.3	35	4.0	✳	.103	.096	.088
610909CB	UWX1V4R7MCL1GB	4.7	35	4.0	✳	.103	.096	.088

✳ Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing 1	10	100	500
610706CB	UWX0G220MCL2GB	22	4	3.0	✳	$.108	$.096	$.091
610773CB	UWX1A220MCL1GB	22	10	4.0	✳	.103	.096	.091
610722CB	UWX0G330MCL1GB	33	4	4.0	✳	.108	.096	.091
610749CB	UWX0J330MCL1GB	33	6.3	4.0	✳	.113	.096	.091
610781CB	UWX1A330MCL1GB	33	10	4.0	✳	.113	.096	.091
610731CB	UWX0G470MCL1GB	47	4	4.0	✳	.108	.096	.091
610757CB	UWX0J470MCL1GB	47	6.3	5.0	✳	.108	.096	.091
610790CB	UWX1A470MCL1GB	47	10	5.0	✳	.113	.096	.091
610693CB	UWX0G101MCL1GB	100	4	5.0	✳	.113	.096	.091
610765CB	UWX1A101MCL1GB	100	10	6.3	✳	.113	.096	.091
610714CB	UWX0G221MCL1GB	220	4	6.3	✳	.146	.136	.104

† **Cross Reference: Panasonic:** VS Series

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



Tape

Aluminum Electrolytic Capacitors (Continued)

Operating Temperature Range: -40˚C to +85˚C

SALE

Individual 

Other Manufacturers — Great Deals*

✳ Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing 1	10	100	500
193244CB	SE3.3/50 ⊕	3.3	50	4.0	✳	$.097	$.088	$.079
193076CB	SE427/25 ⊕	4.7	25	4.0	✳	.134	.114	.086
193252CB	SE4.7/50 ⊕	4.7	50	5.0	✳	.11	.096	.087
192997CB	SE10/16 ⊕	10	16	4.0	✳	.14	.12	.11
193084CB	SE10/25 ⊕	10	25	5.0	✳	.11	.097	.087
193164CB	SE10/35 ⊕	10	35	5.0	✳	.099	.09	.082
193261CB	SE10/50 ⊕	10	50	6.3	✳	.23	.168	.146
192891CB	SE22/6.3 ⊕	22	6.3	4.0	✳	.065	.059	.054
193009CB	SE22/16 ⊕	22	16	5.0	✳	.12	.11	.10
193092CB	SE22/25 ⊕	22	25	6.3	✳	.12	.111	.099
193172CB	SE22/35 ⊕	22	35	6.3	✳	.099	.09	.082
193279CB	SE22/50 ⊕	22	50	6.3	✳	.16	.155	.015
193017CB	SE33/16 ⊕	33	16	5.0	✳	.13	.118	.106
193105CB	SE33/25	33	25	6.3	✳	.14	.129	.116
193181CB	SE33/35 ⊕	33	35	8.0	✳	.14	.13	.12
193287CB	SE33/50 ⊕	33	50	8.0	.24	.22	.20	.18
193025CB	SE47/16 ⊕	47	16	6.3	✳	.12	.11	.10
193113CB	SE47/25 ⊕	47	25	6.3	.29	.26	.21	.16
193199CB	SE47/35 ⊕	47	35	6.3	✳	.25	.176	.12

Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing 1	10	100	500
193295CB	SE47/50 ⊕	47	50	10.0	~~$.33~~ $.27	$.25	$.23	$.21
192903CB	SE100/6.3 ⊕	100	6.3	6.3	.22	.19	.152	.104
193033CB	SE100/16 ⊕	100	16	8.0	.25	.23	.21	.19
193121CB	SE100/25 ⊕	100	25	8.0	.26	.218	.176	.15
193201CB	SE100/35 ⊕	100	35	10.0	~~$.37~~ .23	.20	.19	.17
193308CB	SE100/50 ⊕	100	50	10.0	~~$.46~~ .39	.36	.33	.30
192962CB	SE220/10 ⊕	220	10	8.0	~~$.27~~ .25	.24	.22	.20
193041CB	SE220/16 ⊕	220	16	8.0	.42	.38	.30	.254
193130CB	SE220/25 ⊕	220	25	10.0	~~$.63~~ .45	.40	.36	.33
193210CB	SE220/35 ⊕	220	35	8.0	~~$.47~~ .28	.25	.23	.21
193316CB	SE220/50 ⊕	220	50	10.0	~~$.58~~ .37	.34	.31	.28
193050CB	SE330/16 ⊕	330	16	10.0	.42	.38	.30	.27
193148CB	SE330/25 ⊕	330	25	8.0	~~$.47~~ .29	.24	.22	.20
192920CB	SE470/6.3 ⊕	470	6.3	8.0	~~$.29~~ .25	.21	.18	.17
192971CB	SE470/10 ⊕	470	10	8.0	~~$.33~~ .25	.23	.21	.19
193068CB	SE470/16 ⊕	470	16	10.0	.50	.45	.36	.27
193156CB	SE470/25 ⊕	470	25	10.0	~~$.65~~ .55	.47	.42	.39
192938CB	SE1000/6.3 ⊕	1000	6.3	10.0	~~$.37~~ .35	.30	.28	.25
192989CB	SE1000/10 ⊕	1000	10	10.0	~~$.42~~ .39	.35	.32	.29
192946CB	SE1500/6.3 ⊕	1500	6.3	10.0	~~$.39~~ .35	.31	.29	.26

† Cross Reference: Panasonic: VS Series *Capacitor dimensions and styles may vary.

JAMECO ValuePro

A Jameco EXCLUSIVE

Operating Temperature Range: -55˚C to +105˚C

NEW

✳ Prepackaged: order in increments of 10, 100 or 500

Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing 1	10	100	500
610431CB	UWT1H0R1MCL1GB	0.1	50	4.0	✳	$.116	$.108	$.098
610440CB	UWT1H0R1MCL2GB	0.1	50	3.0	✳	.116	.108	.098
610546CB	UWT1HR22MCL1GB	0.22	50	4.0	✳	.116	.108	.098
610554CB	UWT1HR22MCL2GB	0.22	50	3.0	✳	.116	.108	.098
610562CB	UWT1HR33MCL1GB	0.33	50	4.0	✳	.116	.108	.098
610571CB	UWT1HR33MCL2GB	0.33	50	3.0	✳	.116	.108	.098
610589CB	UWT1HR47MCL1GB	0.47	50	4.0	✳	.116	.108	.098
610597CB	UWT1HR47MCL2GB	0.47	50	3.0	✳	.116	.108	.098
610423CB	UWT1H010MCL2GB	1	50	4.0	✳	.116	.108	.098
608631CB	UUD1H010MCL1GS	1	50	4.0	.42	.367	.343	.29
610634CB	UWT1V2R2MCL2GB	2.2	35	4.0	✳	.116	.108	.098
610491CB	UWT1H2R2MCL1GB	2.2	50	4.0	✳	.116	.108	.098
610503CB	UWT1H2R2MCL2GB	2.2	50	3.0	✳	.116	.108	.098
608665CB	UUD1H2R2MCL1GS	2.2	50	4.0	.42	.367	.343	.29
610669CB	UWT1V3R3MCL2GB	3.3	35	4.0	✳	.134	.12	.098
608681CB	UUD1H3R3MCL1GS	3.3	50	4.0	.42	.367	.343	.29
610407CB	UWT1E4R7MCL1GB	4.7	25	4.0	✳	.116	.108	.08
610415CB	UWT1E4R7MCL2GB	4.7	25	3.0	✳	.116	.108	.09
610685CB	UWT1V4R7MCL1GB	4.7	35	4.0	✳	.149	.12	.098
608788CB	UUD1V4R7MCL1GS	4.7	35	4.0	.42	.367	.343	.29
610538CB	UWT1H4R7MCL1GB	4.7	50	5.0	✳	.149	.139	.118
608702CB	UUD1H4R7MCL1GS	4.7	50	4.0	.47	.403	.386	.325
610263CB	UWT1C100MCL1GB	10	16	4.0	✳	.116	.108	.098
610271CB	UWT1C100MCL2GB	10	16	3.0	✳	.116	.108	.098
610343CB	UWT1E100MCL1GB	10	25	5.0	.20	.164	.144	.096
610600CB	UWT1V100MCL1GB	10	35	5.0	.20	.164	.144	.096
608729CB	UUD1V100MCL1GS	10	35	5.0	.47	.413	.386	.326
610458CB	UWT1H100MCL1GB	10	50	6.3	.20	.164	.152	.096
608649CB	UUD1H100MCL1GS	10	50	6.3	.51	.431	.408	.352
610108CB	UWT0G220MCL1GB	22	4	4.0	✳	.116	.108	.098
610167CB	UWT0J220MCL1GB	22	6.3	4.0	✳	.116	.108	.098
610239CB	UWT1A220MCL1GB	22	10	4.0	✳	.149	.139	.118
608489CB	UUD1A220MCL1GS	22	10	4.0	.42	.367	.343	.29
610298CB	UWT1C220MCL1GB	22	16	5.0	.20	.167	.144	.096
610351CB	UWT1E220MCL1GB	22	25	5.0	.20	.177	.152	.096
608577CB	UUD1E220MCL1GS	22	25	22.0	.47	.413	.386	.326
610618CB	UWT1V220MCL1GB	22	35	6.3	.20	.177	.152	.096
608745CB	UUD1V220MCL1GS	22	35	5.0	.47	.403	.386	.325

Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing 1	10	100	500
610474CB	UWT1H220MCL1GB	22	50	6.3	$.26	$.213	$.184	$.148
610124CB	UWT0G330MCL1GB	33	4	4.0	✳	.116	.108	.103
610183CB	UWT0J330MCL1GB	33	6.3	4.0	✳	.116	.108	.103
610247CB	UWT1A330MCL1GB	33	10	5.0	✳	.149	.139	.118
608497CB	UUD1A330MCL1GS	33	10	5.0	.47	.413	.386	.326
610319CB	UWT1C330MCL1GB	33	16	5.0	.20	.167	.152	.096
610360CB	UWT1E330MCL1GB	33	25	6.3	.20	.187	.152	.096
608585CB	UUD1E330MCL1GS	33	25	6.3	.51	.447	.418	.352
610642CB	UWT1V330MCL1GB	33	35	6.3	.26	.213	.184	.12
608753CB	UUD1V330MCL1GS	33	35	6.3	.51	.447	.418	.352
610511CB	UWT1H330MCL1GS	33	50	6.3	.27	.213	.199	.104
608673CB	UUD1H330MCL1GS	33	50	6.3	.54	.472	.442	.224
610204CB	UWT0J470MCL1GB	47	6.3	5.0	✳	.136	.127	.118
608446CB	UUD0J470MCL1GS	47	6.3	5.0	.47	.413	.386	.326
610255CB	UWT1A470MCL1GB	47	10	5.0	.20	.164	.152	.096
610335CB	UWT1C470MCL1GB	47	16	6.3	.20	.177	.152	.096
608534CB	UUD1C470MCL1GS	47	16	6.3	.51	.447	.418	.352
610386CB	UWT1E470MCL1GB	47	25	6.3	.26	.213	.184	.148
608606CB	UUD1E470MCL1GS	47	25	6.3	.51	.447	.418	.352
610677CB	UWT1V470MCL1GS	47	35	6.3	.27	.213	.199	.168
608770CB	UUD1V470MCL1GS	47	35	6.3	.51	.431	.408	.352
610520CB	UWT1H470MCL1GS	47	50	6.3	.27	.213	.199	.112
608690CB	UUD1H470MCL1GS	47	50	6.3	.53	.446	.424	.224
608518CB	UUD1A680MCL1GS	68	10	—	.51	.447	.418	.352
608542CB	UUD1C680MCL1GS	68	16	6.3	.51	.447	.418	.352
608622CB	UUD1E680MCL1GS	68	25	6.3	.51	.447	.418	.352
608796CB	UUD1V680MCL1GS	68	35	6.3	.54	.472	.442	.224
608711CB	UUD1H680MNL1GS	68	50	8.0	.65	.57	.53	.269
610095CB	UWT0G101MCL1GB	100	4	6.3	✳	.146	.137	.118
608403CB	UUD0J101MCL1GS	100	6.3	6.3	.51	.447	.418	.352
610132CB	UWT0J101MCL1GB	100	6.3	6.3	✳	.146	.137	.118
608462CB	UUD1A101MCL1GS	100	10	—	.51	.447	.418	.352
610280CB	UWT1C101MCL1GB	100	16	6.3	.20	.177	.152	.096
608569CB	UUD1E101MCL1GS	100	25	6.3	.54	.472	.442	.224
608737CB	UUD1V101MNL1GS	100	35	8.0	.65	.57	.53	.269
610466CB	UWT1H101MNL1GS	100	50	8.0	.33	.257	.24	.158
608657CB	UUD1H101MNL1GS	100	50	8.0	.62	.518	.492	.269
610116CB	UWT0G221MCL1GB	220	4	6.3	.26	.213	.184	.12

† Cross Reference: Panasonic: VS Series

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

JAMECO ValuePro

A Jameco EXCLUSIVE

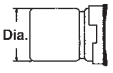

Tape


Individual

Aluminum Electrolytic Capacitors

NEW

Leakage Current (20˚C) after 2 minutes	≤ .01CV or 3µA



Side View


Bottom View

Operating Temperature Range: -55˚C to +105˚C (Continued)

Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing 1	10	100	500
610175CB	UWT0J221MCL1GB	220	6.3	6.3	$.22	$.213	$.16	$.128
608438CB	UUD0J221MCL1GS	220	6.3	6.3	.51	.447	.418	.352
608526CB	UUD1C221MCL1GS	220	16	6.3	.54	.472	.442	.224
610301CB	UWT1C221MCL1GS	220	16	6.3	.27	.213	.199	.104
610626CB	UWT1V221MNL1GS	220	35	8.0	.34	.321	.248	.158
610482CB	UWT1H221MNL1GS	220	50	10.0	.43	.331	.31	.158
610191CB	UWT0J331MCL1GS	330	6.3	6.3	.27	.213	.199	.122
610327CB	UWT1C331MNL1GS	330	16	8	.33	.257	.24	.158
610378CB	UWT1E331MNL1GS	330	25	8	.33	.257	.24	.158
608593CB	UUD1E331MNL1GS	330	25	8	.65	.57	.53	.269
610651CB	UWT1V331MNL1GS	330	35	10	.43	.331	.31	.272
608761CB	UUD1V331MNL1GS	330	35	10	.70	.61	.57	.289

Part No.	Cross Ref. No.†	Value (µF)	Voltage (V)	Dia. (mm)	Pricing 1	10	100	500
610212CB	UWT0J471MNL1GS	470	6.3	8	$.33	$.257	$.24	$.158
608500CB	UUD1A471MNL1GS	470	10	8	.65	.57	.53	.269
610394CB	UWT1E471MNL1GS	470	25	10	.43	.331	.31	.158
608614CB	UUD1E471MNL1GS	470	25	10	.70	.61	.57	.289
610221CB	UWT0J681MNL1GS	680	6.3	8	.33	.257	.24	.158
608454CB	UUD0J681MNL1GS	680	6.3	8	.65	.57	.53	.269
608551CB	UUD1C681MNL1GS	680	16	10	.70	.61	.57	.289
610141CB	UWT0J102MNL1GS	1000	6.3	8	.33	.257	.24	.158
608411CB	UUD0J102MNL1GS	1000	6.3	8	.65	.57	.53	.269
608471CB	UUD1A102MNL1GS	1000	10	10	.68	.58	.55	.289
610159CB	UWT0J152MNL1GS	1500	6.3	10	.43	.331	.31	.155
608420CB	UUD0J152MNL1GS	1500	6.3	10	.70	.61	.57	.289

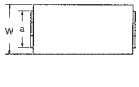
† **Cross Reference: Panasonic:** VS Series

Resin Molded Chip Tantalum Electrolytic Capacitors (±10%)

NEW

Case Size (Dimensions in mm)

EIA Case Code	L ±0.2	W ±0.2	H ±0.2	P ±0.3	a ±0.2	h(min)
A (3216-18)	3.2	1.6	1.7	0.8	1.2	0.7
B (3528-21)	3.5	2.8	1.9	0.8	2.2	0.7
C (6032-28)	6.0	3.2	2.6	1.3	2.2	1.0
D (7343-31)	7.3	4.3	2.9	1.3	2.4	1.0
E (7343-43)	7.3	4.3	4.1	1.3	2.4	1.0

JAMECO ValuePro — **6.3V SMT**

Part No.	Capacitance	Case Size	Pricing per each* 10	100	500	1000
597311CB	10µF	A	$.38	$.307	$.292	$.278
545027CB	10µF	A	.275	.243	.194	.119

JAMECO ValuePro — **10V SMT**

Part No.	Capacitance	Case Size	Pricing per each* 10	100	500	1000
545078CB	4.7µF	A	$.134	$.129	$.122	$.092
597329CB	4.7µF	A	.38	.307	.292	.278
545086CB	6.8µF	A	.266	.232	.219	.182
597302CB	10µF	A	.323	.288	.255	.213
545035CB	10µF	A	.172	.153	.138	.103
545115CB	15µF	A	.326	.307	.30	.274
545203CB	47µF	B	.444	.408	.367	.365
545297CB	100µF	C	.73	.64	.55	.538
597361CB	100µF	D	1.52	1.43	.69	.67
545422CB	100µF	D	2.14	1.93	1.15	1.12
545473CB	150µF	D	1.89	1.70	1.03	1.00
597441CB	220µF	D	4.05	3.39	2.72	2.59
545369CB	220µF	D	1.84	1.63	.87	.85

JAMECO ValuePro — **16V SMT**

Part No.	Capacitance	Case Size	Pricing per each* 10	100	500	1000
544981CB	0.1µF	A	$.19	$.169	$.154	$.147
545043CB	2.2µF	A	.247	.216	.185	.154
545051CB	3.3µF	A	.134	.129	.122	.092
545174CB	4.7µF	B	.272	.242	.221	.213
597337CB	10µF	B	.56	.504	.405	.365
545140CB	10µF	B	.168	.161	.152	.145
545211CB	10µF	C	.326	.289	.138	.136
597345CB	22µF	B	.475	.384	.365	.347
545166CB	22µF	B	.208	.207	.206	.205
545300CB	22µF	C	.60	.532	.327	.311
597353CB	47µF	C	.99	.94	.75	.73
545271CB	47µF	C	.60	.513	.295	.287
597417CB	47µF	D	1.52	1.43	.88	.86
545393CB	47µF	D	.57	.502	.29	.258
597425CB	100µF	E	3.91	3.03	2.44	2.32
545449CB	100µF	D	1.64	1.54	1.24	1.20

JAMECO ValuePro — **50V SMT**

Part No.	Capacitance	Case Size	Pricing per each* 10	100	500	1000
544972CB	0.1µF	A	$.516	$.456	$.365	$.304
545414CB	6.8µF	D	1.80	1.63	1.55	1.51

JAMECO ValuePro — **20V SMT**

Part No.	Capacitance	Case Size	Pricing per each* 10	100	500	1000
544999CB	0.1µF	A	$.237	$.208	$.194	$.173
545060CB	3.3µF	A	.285	.248	.231	.14
545220CB	10µF	C	.316	.28	.148	.141
597409CB	33µF	D	1.52	1.43	.88	.86
545377CB	33µF	D	.516	.456	.26	.258
545553CB	68µF	D	4.66	3.21	1.98	1.88

JAMECO ValuePro — **25V SMT**

Part No.	Capacitance	Case Size	Pricing per each* 10	100	500	1000
545001CB	1µF	A	$.247	$.216	$.203	$.186
545289CB	10µF	C	.60	.532	.258	.251
597396CB	22µF	D	1.52	1.43	.88	.86
545342CB	22µF	D	.57	.502	.26	.258
545406CB	47µF	D	2.37	2.07	1.15	1.12
545545CB	33µF	D	3.35	2.41	1.94	1.85

JAMECO ValuePro — **35V SMT**

Part No.	Capacitance	Case Size	Pricing per each* 10	100	500	1000
544964CB	0.1µF	A	$.314	$.302	$.288	$.216
597290CB	1µF	A	.344	.304	.243	.20
545131CB	1µF	B	.272	.242	.221	.203
545158CB	2.2µF	B	.405	.39	.382	.374
545254CB	2.2µF	C	.378	.334	.162	.158
545262CB	3.3µF	C	.313	.284	.266	.20
545385CB	4.7µF	D	.541	.491	.472	.449
545238CB	10µF	C	.406	.369	.329	.328
545326CB	10µF	D	.60	.532	.30	.298
597388CB	15µF	D	1.52	1.43	.88	.86
545334CB	15µF	D	.66	.60	.33	.328
597433CB	22µF	D	3.95	3.12	2.51	2.39
545351CB	22µF	D	1.32	1.17	.56	.545

* Prepackaged: order in quantity increments shown

Resin Molded Chip Tantalum Electrolytic Capacitors (±20%)

- Case sizes and photos are same as above

JAMECO ValuePro — **10V SMT**

Part No.	Capacitance	Case Size	Pricing per each* 10	100	500	1000
87021CB	10µF	B	$.258	$.228	$.181	$.151
597370CB	10µF	D	1.64	1.45	.69	.67
87119CB	100µF	D	.92	.88	.83	.80
Other Manufactures — Great Deals						
87020CB	10µF	B	$.203	$.15	$.136	$.105
87118CB	100µF	D	.80	.76	.73	.69

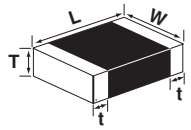
JAMECO ValuePro — **16V SMT**

Part No.	Capacitance	Case Size	Pricing per each* 10	100	500	1000
86933CB	1µF	A	$.19	$.15	$.11	$.105
545246CB	10µF	C	.275	.243	.138	.136
87039CB	10µF	C	.32	.29	.25	.23
87101CB	47µF	D	1.01	.90	.80	.70
Other Manufactures — Great Deals						
86932CB	1µF	A	$.148	$.133	$.107	$.08
87038CB	10µF	C	.27	.24	.22	.18
87100CB	47µF	D	.73	.70	.66	.63

Plastic Fliptop Case for SMDs See page 295.



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



A Jameco EXCLUSIVE

NEW

Multilayer Ceramic Chip Capacitors

X7R Series (±10%)

SMT Case Dimensions (mm)

	0402	0603	0805	1206	1210	1812
L	1.0	1.6	2.0	3.2	3.2	4.5
W	0.5	0.81	1.25	1.6	2.5	3.2
T	1.02	1.02	0.065	1.55	1.02	1.52
t	0.25	0.35	0.25	0.5	0.5	0.61

JAMECO ValuePro 0402 SMT

Pricing per each*

Part No.	Capacitance	Volt.	10	100	500	1000
543751CB	♻ 560pF	50	$.078	$.064	$.061	$.058
543734CB	♻ 1000pF	50	.087	.051	.03	.021
543769CB	♻ .01µF	50	.088	.059	.048	.033
Other Manufacturers — Great Deals						
646485CB	330pF	50	$.231	$.137	$.079	$.056
646493CB	390pF	50	.077	.046	.026	.018
646506CB	470pF	50	.231	.133	.079	.055
646514CB	560pF	50	.077	.046	.026	.018
646522CB	680pF	50	.077	.046	.026	.018
646531CB	820pF	50	.077	.046	.026	.018
646549CB	1000pF	50	.077	.046	.026	.018
646557CB	1200pF	50	.077	.046	.026	.018
646565CB	1500pF	50	.231	.137	.079	.055
646573CB	1800pF	50	.231	.137	.079	.055
646581CB	2200pF	50	.193	.114	.065	.046
646590CB	2700pF	50	.231	.137	.079	.055
646602CB	3300pF	50	.077	.046	.026	.018
646611CB	3900pF	50	.231	.137	.079	.055
646629CB	4700pF	50	.077	.046	.026	.018
646637CB	5600pF	50	.154	.091	.053	.036
646645CB	6800pF	50	.154	.091	.053	.036
646653CB	8200pF	50	.154	.091	.053	.036
646661CB	.01µF	16	.077	.046	.026	.018
646670CB	.012µF	16	.077	.046	.026	.018
646688CB	.015µF	16	.077	.046	.026	.018
646696CB	.018µF	16	.077	.046	.026	.018
646709CB	.022µF	16	.077	.046	.026	.018

JAMECO ValuePro 0603 SMT

Pricing per each*

Part No.	Capacitance	Volt.	10	100	500	1000
544083CB	♻ 470pF	16	$.095	$.055	$.04	$.034
544041CB	♻ 1000pF	50	.074	.047	.024	.017
543831CB	♻ 1000pF	100	.087	.052	.03	.021
543857CB	♻ 2200pF	100	.165	.099	.04	.024
543865CB	♻ 3300pF	100	.15	.088	.04	.024
543873CB	♻ 4700pF	25	.126	.099	.057	.04
544059CB	♻ .01µF	50	.079	.047	.024	.017
543849CB	♻ .01µF	100	.279	.184	.123	.086
544067CB	♻ .015µF	50	.087	.045	.03	.021
544075CB	♻ .022µF	50	.087	.046	.037	.021
543881CB	♻ .047µF	25	.091	.06	.054	.042
544091CB	♻ .1µF	16	.079	.047	.024	.017
Other Manufacturers — Great Deals						
649483CB	1000pF	50	$.062	$.036	$.021	$.015
649491CB	1200pF	50	.077	.046	.026	.018
649504CB	1500pF	50	.077	.046	.026	.018
649512CB	1800pF	50	.077	.046	.026	.018
649521CB	2200pF	50	.077	.046	.026	.018
649539CB	2700pF	50	.077	.046	.026	.018
649547CB	3300pF	50	.154	.091	.053	.036
649555CB	3900pF	50	.063	.046	.026	.018
649563CB	4700pF	50	.131	.077	.045	.031
649571CB	5600pF	50	.077	.046	.026	.018
649580CB	6800pF	50	.112	.087	.05	.035
649598CB	8200pF	50	.077	.046	.026	.018
649601CB	.01µF	50	.062	.036	.021	.015
649619CB	.012µF	50	.077	.046	.026	.018
649627CB	.015µF	50	.077	.046	.026	.018
649635CB	.018µF	50	.077	.046	.026	.018

0603 SMT (Continued)

Pricing per each*

Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
649643CB	.022µF	50	$.077	$.046	$.026	$.018
649651CB	.027µF	50	.077	.046	.026	.018
649660CB	.033µF	50	.077	.046	.026	.018
649678CB	.039µF	50	.077	.046	.026	.018

JAMECO ValuePro 0805 SMT

Pricing per each*

Part No.	Capacitance	Volt.	10	100	500	1000
544323CB	♻ 1000pF	50	$.079	$.051	$.03	$.021
544235CB	♻ 1000pF	200	.21	.20	.17	.146
544201CB	♻ 2200pF	100	.087	.051	.03	.021
544227CB	♻ 3300pF	100	.087	.052	.03	.021
544382CB	♻ 4700pF	50	.071	.051	.03	.021
87312CB	⊕ .01µF	50	.048	.029	.017	.01
544198CB	♻ .01µF	100	.087	.051	.03	.021
544331CB	♻ .01µF	50	.071	.051	.03	.021
544219CB	♻ .022µF	100	.19	.125	.072	.037
544366CB	♻ .033µF	50	.119	.104	.06	.042
544374CB	♻ .039µF	50	.087	.051	.03	.021
544391CB	♻ .047µF	50	.087	.051	.03	.021
544403CB	♻ .068µF	50	.087	.051	.03	.021
544462CB	♻ .1µF	16	.257	.24	.15	.073
87371CB	⊕ .1µF	25	.054	.033	.022	.016
544340CB	♻ .1µF	50	.087	.051	.03	.021
544438CB	♻ .22µF	16	.13	.077	.045	.031
544243CB	♻ .22µF	25	.174	.104	.06	.042
544358CB	♻ .22µF	50	.087	.051	.03	.021
544446CB	♻ .33µF	16	.348	.208	.12	.084
544454CB	♻ .47µF	16	.348	.208	.12	.084
544471CB	♻ 1µF	10	.388	.376	.304	.178
Other Manufacturers — Great Deals						
650257CB	3300pF	50	$.077	$.046	$.026	$.018
650265CB	3900pF	50	.07	.056	.053	.036
650273CB	4700pF	50	.07	.046	.026	.018
650281CB	5600pF	50	.154	.091	.053	.036
650290CB	6800pF	50	.154	.091	.053	.036
650302CB	8200pF	50	.162	.096	.055	.038
87311CB	⊕ .01µF	50	.047	.028	.016	.009
650311CB	.012µF	50	.077	.046	.026	.018
650329CB	.015µF	50	.119	.091	.053	.036
650337CB	.018µF	50	.154	.091	.053	.036
650345CB	.022µF	50	.077	.046	.026	.018
650353CB	.027µF	50	.077	.046	.026	.018
650361CB	.033µF	50	.105	.091	.053	.036
650370CB	.039µF	50	.077	.046	.026	.018
650388CB	.047µF	50	.077	.046	.026	.018
650396CB	.056µF	50	.077	.046	.026	.018
650409CB	.068µF	50	.077	.046	.026	.018
650417CB	.082µF	50	.077	.046	.026	.018
87370CB	⊕ .1µF	25	.048	.033	.022	.016
650425CB	.1µF	50	.077	.046	.026	.018
650433CB	.12µF	50	.154	.091	.053	.036
650441CB	.22µF	16	.116	.068	.039	.027
650450CB	.33µF	16	.182	.105	.073	.066
650468CB	.47µF	16	.182	.105	.073	.066
650476CB	1µF	10	.329	.263	.182	.164

* Prepackaged: order in quantity increments shown

JAMECO ValuePro 1206 SMT

Pricing per each*

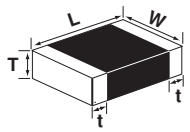
Part No.	Capacitance	Volt.	10	100	500	1000
544585CB	♻ 1000pF	100	$.158	$.144	$.087	$.037
544614CB	♻ 2000pF	100	.158	.144	.087	.035
544649CB	♻ 4700pF	100	.158	.144	.087	.035
87330CB	⊕ .01µF	50	.078	.047	.033	.024
544593CB	♻ .01µF	100	.10	.085	.067	.05
544622CB	♻ .022µF	100	.158	.144	.09	.031
544631CB	♻ .033µF	100	.158	.144	.12	.035
544657CB	♻ .047µF	100	.158	.144	.12	.035
544702CB	♻ .1µF	50	.113	.097	.06	.042
87389CB	⊕ .1µF	50	.084	.055	.038	.037
544606CB	♻ .1µF	100	.209	.182	.105	.073
87397CB	⊕ .22µF	25	.134	.095	.066	.059
544711CB	♻ .22µF	50	.261	.156	.09	.062
544729CB	♻ .33µF	50	.352	.312	.182	.087
544673CB	♻ .47µF	25	.435	.26	.15	.105
544665CB	♻ 1µF	25	.348	.208	.12	.084
Other Manufacturers — Great Deals						
651137CB	1000pF	50	$.14	$.125	$.072	$.05
651145CB	1200pF	50	.212	.125	.072	.05
651153CB	1500pF	50	.212	.125	.072	.05
651161CB	1800pF	50	.212	.125	.072	.05
651170CB	2200pF	50	.154	.125	.072	.05
651188CB	3300pF	50	.14	.125	.072	.05
651196CB	3900pF	50	.212	.125	.072	.05
651209CB	4700pF	50	.14	.13	.092	.064
651217CB	5600pF	50	.212	.125	.072	.05
651225CB	6800pF	50	.126	.105	.072	.05
651233CB	8200pF	50	.212	.125	.072	.05
87329CB	⊕ .01µF	50	.074	.047	.031	.022
651241CB	.012µF	50	.223	.132	.076	.053
651250CB	.015µF	50	.223	.132	.076	.053
651268CB	.018µF	50	.223	.132	.076	.053
651276CB	.022µF	50	.161	.132	.076	.053
651284CB	.027µF	50	.161	.132	.076	.053
651292CB	.033µF	50	.14	.126	.076	.053
651305CB	.039µF	50	.223	.132	.076	.053
651313CB	.047µF	50	.14	.126	.076	.053
651321CB	.056µF	50	.246	.146	.084	.058
651330CB	.068µF	50	.246	.146	.084	.058
651348CB	.082µF	50	.246	.146	.084	.058
87388CB	⊕ .1µF	50	.049	.029	.019	.016
651356CB	.12µF	50	.231	.137	.079	.055
651364CB	.15µF	50	.231	.137	.079	.055
651372CB	.18µF	50	.231	.137	.079	.055
87396CB	⊕ .22µF	25	.134	.095	.086	.077
651381CB	.22µF	50	.231	.137	.079	.055
651399CB	.27µF	50	.182	.105	.073	.066
651401CB	.33µF	50	.306	.281	.164	.114
651410CB	.47µF	50	.228	.131	.091	.082
651436CB	1µF	16	.399	.26	.18	.162
651428CB	1µF	25	.182	.105	.073	.066
651444CB	2.2µF	10	.55	.315	.218	.196
651479CB	2.2µF	16	.41	.236	.164	.148
651452CB	2.2µF	25	.364	.21	.146	.131
651508CB	4.7µF	10	.41	.236	.164	.148
651487CB	4.7µF	16	1.10	.84	.486	.437
651461CB	4.7µF	25	.455	.263	.182	.164
651532CB	10µF	6.3	.84	.59	.341	.237
651516CB	10µF	10	.50	.289	.20	.18
651495CB	10µF	16	1.48	.87	.50	.475
651524CB	22µF	6.3	1.02	.59	.54	.513

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Surface Mount Capacitors (Continued)

RoHS Compliant Product
RoHS Also Available

Color Code Legend: New | Sale | Lower$ | QtySave



Multilayer Ceramic Chip Capacitors

NEW

SMT Case Dimensions (mm)

	0402	0603	0805	1206	1210	1812
L	1.0	1.6	2.0	3.2	3.2	4.5
W	0.5	0.81	1.25	1.6	2.5	3.2
T	1.02	1.02	0.065	1.55	1.02	1.52
t	0.25	0.35	0.25	0.5	0.5	0.61

X7R Series (±10%) (Continued)

1210 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
544770CB	.1µF	50	$.238	$.224	$.194	$.13
544761CB	.1µF	100	.238	.224	.15	.104
544788CB	.22µF	50	.323	.304	.188	.131
544796CB	.47µF	50	.63	.57	.334	.163
Other Manufacturers — Great Deals						
651612CB	.1µF	50	$.224	$.196	$.176	$.112
651621CB	.15µF	50	.28	.16	.11	.10
651639CB	.22µF	50	.27	.16	.11	.10
651647CB	.33µF	50	.46	.29	.20	.18
651655CB	.47µF	50	.50	.29	.20	.18
651663CB	1µF	50	.57	.46	.32	.29
651671CB	2.2µF	25	1.34	.93	.534	.481
651680CB	4.7µF	16	1.15	.92	.59	.53
651701CB	4.7µF	25	1.31	.78	.45	.405
651698CB	10µF	10	1.21	.70	.33	.30

1812 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
544817CB	1µF	50	$1.40	$1.32	$.77	$.372

COG Series (±5%)

0603 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
543785CB	10pF	100	$.165	$.099	$.057	$.04
543806CB	22pF	100	.087	.052	.03	.021
543814CB	33pF	100	.087	.052	.03	.021
543793CB	100pF	100	.087	.052	.03	.021
543988CB	270pF	50	.087	.052	.03	.021
544008CB	330pF	50	.131	.104	.06	.042
543822CB	680pF	100	.087	.052	.029	.025

0805 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
544121CB	10pF	100	$.079	$.071	$.06	$.042
544155CB	15pF	100	.134	.104	.06	.042
544286CB	270pF	50	.134	.104	.06	.042
544294CB	330pF	50	.087	.051	.03	.021
544307CB	470pF	50	.104	.062	.036	.025
544315CB	680pF	50	.15	.104	.06	.042
544260CB	1000p F	50	.169	.154	.15	.146
544147CB	1000pF	100	.19	.156	.09	.062
544278CB	2200pF	50	.235	.14	.081	.056

1206 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
544551CB	330pF	100	$.19	$.176	$.144	$.122
544681CB	1000pF	50	.257	.24	.14	.063
544690CB	2200pF	50	.286	.272	.16	.062

NPO Temp Series (±10%)

0402 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
543726CB	100pF	50	$.198	$.13	$.064	$.052
543742CB	220pF	50	.198	.13	.064	.052

* Prepackaged: order in quantity increments shown

X5R Series (±10%)

0603 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
544104CB	1µF	10	$.139	$.083	$.041	$.034
Other Manufacturers — Great Deals						
649686CB	.1µF	25	$.205	$.159	$.092	$.064
649707CB	.22µF	16	.267	.182	.105	.073
649694CB	.22µF	25	.288	.205	.118	.082
649715CB	.33µF	16	.131	.077	.045	.031
649723CB	.47µF	16	.131	.077	.045	.031
649758CB	1µF	6.3	.35	.273	.158	.109
649740CB	1µF	10	.042	.032	.023	.014
649731CB	1µF	16	.154	.091	.053	.036
649766CB	2.2µF	6.3	.267	.182	.105	.073
649774CB	4.7µF	6.3	.45	.364	.146	.125

0805 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
544489CB	2.2µF	10	$.348	$.208	$.122	$.084
544420CB	4.7µF	6.3	.478	.286	.167	.116
544411CB	10µF	6.3	.211	.186	.177	.168
Other Manufacturers — Great Deals						
650484CB	.33µF	25	$.467	$.341	$.197	$.137
650492CB	.47µF	25	.467	.36	.144	.099
650530CB	1µF	10	.27	.182	.105	.073
650513CB	1µF	16	.193	.114	.066	.046
650505CB	1µF	25	.65	.50	.289	.20
650548CB	2.2µF	10	.257	.182	.105	.073
650521CB	2.2µF	16	.57	.41	.236	.164
650556CB	3.3µF	10	.357	.273	.158	.109
650572CB	4.7µF	6.3	.25	.14	.10	.09
650564CB	4.7µF	10	.30	.17	.12	.11
650581CB	10µF	6.3	.46	.26	.18	.16

1206 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
544753CB	4.7µF	10	$.56	$.468	$.273	$.19

1210 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
544809CB	10µF	10	$1.80	$1.08	$.62	$.432
Other Manufacturers — Great Deals						
651727CB	4.7µF	16	$.73	$.42	$.29	$.26
651786CB	10µF	10	1.62	.97	.56	.504
651735CB	10µF	16	1.09	.63	.437	.393
651719CB	10µF	25	1.01	.60	.42	.38
651751CB	22µF	6.3	3.01	2.53	1.04	.94
651794CB	22µF	10	2.54	1.52	.88	.80
651743CB	22µF	16	1.98	1.75	1.17	1.05
651760CB	47µF	6.3	1.69	1.63	1.55	1.47
651778CB	100µF	6.3	5.62	3.37	1.95	1.75

1812 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
651831CB	1µF	50	$1.26	$1.19	$.70	$.63
651840CB	10µF	25	2.42	1.97	1.77	1.58
651858CB	22µF	10	2.62	1.97	1.77	1.58
651866CB	47µF	6.3	5.94	3.56	3.20	2.88
651874CB	100µF	6.3	2.19	2.01	1.81	1.63

* Prepackaged: order in quantity increments shown

NPO Temp Series (±5%)

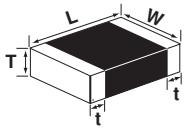
0402 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
645984CB	1pF	50	$.077	$.046	$.026	$.018
645992CB	2.2pF	50	.231	.133	.079	.055
646004CB	3.3pF	50	.231	.133	.079	.055
646012CB	3.9pF	50	.231	.133	.105	.073
646021CB	4.7pF	50	.231	.133	.105	.073
646039CB	5.6pF	50	.231	.133	.079	.055
646047CB	6.8pF	50	.231	.133	.105	.073
646055CB	8.2pF	50	.231	.137	.079	.055
646063CB	10pF	50	.077	.046	.026	.018
646071CB	15pF	50	.077	.046	.026	.018
646080CB	18pF	50	.077	.046	.026	.018
646098CB	22pF	50	.077	.046	.026	.018
646101CB	27pF	50	.077	.046	.026	.018
646119CB	33pF	50	.077	.046	.026	.018
646127CB	39pF	50	.077	.046	.026	.018
646135CB	47pF	50	.077	.046	.026	.018
646143CB	56pF	50	.077	.046	.026	.018
646151CB	68pF	50	.077	.046	.026	.018
646160CB	82pF	50	.231	.137	.079	.055
646178CB	100pF	50	.193	.114	.065	.046
646186CB	120pF	50	.077	.046	.026	.018
646194CB	150pF	50	.046	.035	.026	.018
646207CB	180pF	50	.077	.046	.026	.018
646215CB	220pF	50	.231	.137	.079	.055

0603 SMT

Part No.	Capacitance	Volt.	10	100	500	1000
543902CB	10pF	50	$.074	$.063	$.04	$.024
543911CB	12pF	50	.131	.055	.044	.031
543937CB	15pF	50	.074	.059	.03	.021
543953CB	18pF	50	.074	.063	.04	.024
543961CB	22pF	50	.074	.059	.03	.021
543996CB	33pF	50	.074	.063	.04	.024
544016CB	39pF	50	.074	.063	.04	.034
544024CB	47pF	50	.087	.051	.03	.021
544032CB	82pF	50	.165	.099	.057	.04
543929CB	120pF	50	.074	.063	.04	.024
543945CB	150pF	50	.082	.059	.03	.021
543970CB	220pF	50	.082	.069	.049	.037
Other Manufacturers — Great Deals						
646725CB	1pF	50	$.14	$.087	$.05	$.035
646733CB	2.2pF	50	.133	.077	.05	.035
646741CB	3.3pF	50	.146	.087	.05	.021
646750CB	3.9pF	50	.146	.087	.05	.035
646768CB	4.7pF	50	.146	.087	.05	.035
646776CB	5.6pF	50	.146	.087	.05	.035
646784CB	6.8pF	50	.146	.087	.05	.035
646792CB	8.2pF	50	.146	.087	.05	.035
646805CB	10pF	50	.131	.077	.045	.021
646813CB	15pF	50	.077	.046	.026	.018
646821CB	18pF	50	.133	.077	.05	.021

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



A Jameco EXCLUSIVE

Multilayer Ceramic Chip Capacitors

NEW

NPO Temp Series (±5%) (Continued)

SMT Case Dimensions (mm)

	0402	0603	0805	1206	1210	1812
L	1.0	1.6	2.0	3.2	3.2	4.5
W	0.5	0.81	1.25	1.6	2.5	3.2
T	1.02	1.02	0.065	1.55	1.02	1.52
t	0.25	0.35	0.25	0.5	0.5	0.61

0603 SMT (Continued) — Pricing per each*

Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
646830CB	22pF	50	$.077	$.053	$.046	$.018
646848CB	27pF	50	.077	.046	.026	.018
646856CB	33pF	50	.116	.068	.039	.021
646864CB	39pF	50	.133	.077	.05	.031
646872CB	47pF	50	.077	.046	.026	.018
646881CB	56pF	50	.146	.087	.05	.035
646899CB	68pF	50	.154	.091	.053	.021
646901CB	82pF	50	.146	.087	.05	.035
646910CB	100pF	50	.077	.046	.026	.018
646928CB	120pF	50	.154	.091	.053	.021
646936CB	150pF	50	.077	.046	.026	.018
646944CB	180pF	50	.077	.046	.026	.018
646952CB	220pF	50	.154	.091	.053	.036
646961CB	270pF	50	.077	.046	.026	.018
646979CB	330pF	50	.154	.091	.053	.036
646987CB	390pF	50	.147	.091	.053	.035
646995CB	470pF	50	.077	.046	.026	.018
647007CB	560pF	50	.154	.091	.053	.036
647015CB	680pF	50	.154	.091	.053	.036
647023CB	820pF	50	.193	.114	.066	.046
647031CB	1000pF	50	.077	.046	.026	.018

JAMECO ValuePro 0805 SMT — Pricing per each*

Part No.	Capacitance	Volt.	10	100	500	1000
544171CB	♻ 47pF	100	$.079	$.072	$.06	$.042
544251CB	♻ 100pF	50	.087	.051	.03	.021
544139CB	♻ 100pF	100	.079	.071	.06	.042
544163CB	♻ 220pF	100	.134	.12	.081	.056
544180CB	♻ 470pF	100	.134	.104	.06	.042
Other Manufacturers — Great Deals						
649900CB	1pF	50	$.07	$.056	$.053	$.036
649918CB	2.2pF	50	.162	.096	.055	.038
649926CB	3.3pF	50	.162	.096	.055	.038
649934CB	3.9pF	50	.162	.096	.055	.038
649942CB	4.7pF	50	.126	.096	.055	.038
649951CB	5.6pF	50	.126	.096	.055	.038
649969CB	6.8pF	50	.126	.096	.055	.038
649977CB	8.2pF	50	.126	.096	.055	.038
649985CB	10pF	50	.07	.046	.026	.018
649993CB	15pF	50	.07	.046	.026	.018
650003CB	18pF	50	.07	.046	.026	.018
650011CB	22pF	50	.07	.046	.026	.018
650020CB	27pF	50	.07	.046	.026	.018
650038CB	33pF	50	.07	.046	.026	.018
650046CB	39pF	50	.07	.046	.026	.018
650054CB	47pF	50	.07	.046	.026	.018
650062CB	56pF	50	.07	.046	.026	.018
650071CB	68pF	50	.07	.046	.026	.018
650089CB	82pF	50	.077	.046	.026	.018
650097CB	100pF	50	.077	.046	.026	.018
650100CB	120pF	50	.077	.046	.026	.018
650118CB	150pF	50	.077	.046	.026	.018
650126CB	180pF	50	.116	.068	.039	.027
650134CB	220pF	50	.077	.046	.026	.018
650142CB	270pF	50	.119	.091	.053	.036
650151CB	330pF	50	.077	.046	.026	.018
650169CB	390pF	50	.092	.055	.032	.022
650177CB	470pF	50	.092	.055	.032	.022
650185CB	560pF	50	.116	.068	.039	.027

0805 SMT (Continued) — Pricing per each*

Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
650193CB	680pF	50	$.133	$.091	$.053	$.036
650206CB	820pF	50	.116	.068	.039	.027
650214CB	1000pF	50	.154	.091	.053	.036
650222CB	1500pF	50	.208	.123	.071	.049
650231CB	2200pF	50	.208	.123	.071	.049
650249CB	3300pF	50	.43	.257	.151	.104

JAMECO ValuePro 1206 SMT — Pricing per each*

Part No.	Capacitance	Volt.	10	100	500	1000
544497CB	♻ 10pF	100	$.19	$.176	$.144	$.122
544526CB	♻ 15pF	100	.276	.256	.191	.064
544534CB	♻ 22pF	100	.19	.176	.144	.122
544542CB	♻ 33pF	100	.342	.248	.144	.043
544569CB	♻ 47pF	100	.19	.176	.144	.122
544500CB	♻ 100pF	100	.19	.176	.144	.122
544577CB	♻ 680pF	100	.257	.24	.14	.059
544518CB	♻ 1000pF	100	.257	.24	.211	.169
Other Manufacturers — Great Deals						
650716CB	1pF	50	$.246	$.146	$.084	$.058
650724CB	2.2pF	50	.246	.146	.084	.058
650732CB	3.3pF	50	.246	.146	.084	.058
650741CB	3.9pF	50	.246	.146	.084	.058
650759CB	4.7pF	50	.246	.146	.084	.05
650767CB	5.6pF	50	.246	.146	.084	.058
650775CB	6.8pF	50	.246	.146	.084	.058
650783CB	8.2pF	50	.147	.126	.084	.058
650791CB	10pF	50	.175	.154	.10	.069
650804CB	15pF	50	.189	.168	.10	.069
650812CB	18pF	50	.297	.178	.104	.072
650821CB	22pF	50	.175	.153	.088	.061
650839CB	27pF	50	.297	.178	.104	.072
650847CB	33pF	50	.175	.154	.10	.069
650855CB	39pF	50	.189	.168	.10	.069
650863CB	47pF	50	.175	.154	.10	.069
650871CB	56pF	50	.245	.178	.104	.056
650880CB	68pF	50	.189	.168	.10	.069
650898CB	82pF	50	.297	.178	.104	.072
650901CB	100pF	50	.175	.154	.10	.069
650919CB	120pF	50	.259	.173	.10	.069
650927CB	150pF	50	.259	.214	.123	.086
650935CB	180pF	50	.245	.18	.126	.069
650943CB	220pF	50	.175	.154	.123	.086
650951CB	270pF	50	.364	.218	.126	.088
650960CB	330pF	50	.175	.154	.123	.086
650978CB	390pF	50	.364	.218	.126	.088
650986CB	470pF	50	.238	.21	.122	.085
650994CB	560pF	50	.364	.218	.126	.088
651006CB	680pF	50	.259	.212	.122	.085
651014CB	820pF	50	.364	.218	.126	.088
651022CB	1000pF	50	.238	.21	.122	.085
651031CB	1200pF	50	.39	.233	.135	.095
651049CB	1500pF	50	.39	.223	.135	.095
651057CB	1800pF	50	.469	.281	.164	.114
651065CB	2200pF	50	.265	.245	.143	.101
651073CB	2700pF	50	.098	.084	.079	.07
651081CB	3300pF	50	.405	.295	.172	.08
651090CB	3900pF	50	.416	.249	.144	.101
651102CB	4700pF	50	.416	.295	.172	.12
651111CB	5600pF	50	.416	.295	.172	.12
651129CB	.01µF	50	.387	.223	.192	.155

Z5U Series (±20%)

JAMECO ValuePro 0805 SMT — Pricing per each*

Part No.	Capacitance	Voltage	100	500	1000	5000
87177CB	.1µF ⊕	50	$.035	$.033	$.028	$.024

JAMECO ValuePro 1206 SMT — Pricing per each*

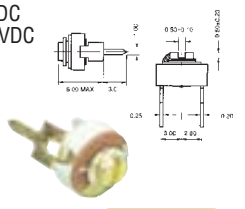
Part No.	Capacitance	Voltage	100	500	1000	5000
87185CB	.1µF ⊕	50	$.072	$.062	$.044	$.035
87206CB	.22µF ⊕	50	.081	.053	.044	.033
87222CB	.47µF ⊕	50	.225	.198	.171	.153

* Prepackaged: order in quantity increments shown

JAMECO ValuePro

5mm Ceramic Trimmer Capacitor

- Working voltage: 200VDC
- Withstand voltage: 400VDC
- Turning torque: 35-200 g-cm
- Operating temperature range: -30˚C~+85˚C
- Insulation resistance: >10MΩ min. @ 250VDC
- Q Factor @ 1MHz: >200



Quantity SAVE

Part No.	Capacitance Range (pF)	Color Codes	Pricing 1	10	100	1000
136979CB	9.0-50.0 ⊕	Green	$.89	$.80	$.64	$.48

JAMECO ValuePro

8mm (.315") Thru-Hole Ceramic Trimmer Capacitors

- Working voltage: 250VDC
- Withstand voltage: 550VDC
- Turning torque: 40~200 g-cm
- Operating temperature range: -55˚C~+85˚C
- Insulation resistance: 10MΩ min. @ 250VDC
- Q Factor @ 1MHz:
  134819CB/32838CB/134818CB: >300
  32854CB/94449CB/94465CB: >200


134818CB

Part No.	Capacitance Range (pF)	Color Codes	Pricing 1	10	100	1000
134819CB	3.5–13.0 ⊕	Ivory	$.49	$.39	$.39	$.36
32838CB	4.0–34.0 ⊕	Yellow	.99	.84	.77	.58
32854CB	6.0–70.0 ⊕	None	.92	.78	.72	.68
94449CB	8.5–100 ⊕	Purple	1.05	.94	.76	.57
94465CB	8.5–120 ⊕	None	.99	.79	.65	.59
Other Manufacturers — Great Deals						
134818CB	3.5–13.0 ⊕	Ivory	$.62	$.55	$.45	$.335

~~$.69~~

We're Listening to What You Need

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♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

RoHS ℞ RoHS Compliant Product ⊕ RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

Passives

1/4-Watt Carbon Film Resistors (±5%)



Single Resistor Value Pricing: 1/4-Watt Carbon Film Resistors (±5%)

To order: Use 5-digit part number adjacent to ohms in chart below
Values may not be combined for quantity price breaks

99¢/bag 100 piece bags

Pricing (Sold in bags of 100 pieces)				
Specify Part No. & Resistor Value	1 Bag	10 Bags	50 Bags	100 Bags
(see Standard Resistor Values Chart below)	$.99/bag	$.57/bag	$.49/bag	$.46/bag

Assortment Pricing: 1/4-Watt Carbon Film Resistor (±5%)

Assortments may not be combined for quantity price breaks

Part No.	Description (Including bulk pack values)	1	10	25
10719CB	5 ea. 70 values (every other value from 10Ω - 5.6 MΩ) (350 pcs.) ⊕	$9.95	$8.95	$7.95
103165CB	10 ea. 24 values marked (●) & 50 ea. 6 values marked (✖) (540 pcs.)	12.95	11.49	9.95
10663CB	100 ea. 27 values marked (▲) (2,700 pcs.) ⊕	24.95	22.49	20.49
10655CB	100 ea. 160 values (all resistor values in the chart below) (16,000 pcs.) ⊕	119.95	107.95	96.95
81832CB	1/4-watt resistor component cabinet kit – 30 values (540 pcs.), pg 93	27.95	24.95	22.49

Standard Resistor Values Chart

✖▲● see above

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
30293CB	⊕ 2.2	59192CB	⊕ 15	29946CB ▲✖	⊕ 100	31499CB ▲●	⊕ 680	31026CB ▲✖	⊕ 4.7k	30841CB ▲●	⊕ 33k	30525CB	⊕ 220k	29778CB	⊕ 1.5M
30349CB	⊕ 2.4	30197CB	⊕ 16	30040CB	⊕ 110	31561CB	⊕ 750	31237CB ▲●	⊕ 5.1k	30912CB	⊕ 36k	30576CB	⊕ 240k	29794CB	⊕ 1.6M
30373CB	⊕ 2.7	30234CB	⊕ 18	30082CB	⊕ 120	31624CB	⊕ 820	31270CB ▲●	⊕ 5.6k	30955CB	⊕ 39k	30613CB	⊕ 270k	29815CB	⊕ 1.8M
30621CB	⊕ 3.0	30411CB	⊕ 20	30120CB	⊕ 130	31691CB	⊕ 910	31405CB	⊕ 6.2k	31077CB	⊕ 43k	30808CB	⊕ 300k	30285CB	⊕ 2.0M
30656CB	⊕ 3.3	65736CB	⊕ 22	30162CB ▲●	⊕ 150	29663CB ▲✖	⊕ 1.0k	31430CB	⊕ 6.8k	31149CB ▲●	⊕ 47k	30883CB	⊕ 330k	30331CB	⊕ 2.2M
30699CB	⊕ 3.6	30541CB	⊕ 24	59248CB	⊕ 160	29719CB	⊕ 1.1k	31536CB	⊕ 7.5k	31309CB	⊕ 51k	30939CB	⊕ 360k	30365CB	⊕ 2.4M
30728CB	⊕ 3.9	30584CB	⊕ 27	59281CB	⊕ 180	29735CB ●	⊕ 1.2k	31595CB	⊕ 8.2k	31350CB	⊕ 56k	30971CB	⊕ 390k	30402CB	⊕ 2.7M
30980CB	⊕ 4.3	30752CB	⊕ 30	59424CB	⊕ 200	58931CB	⊕ 1.3k	60353CB	⊕ 9.1k	31456CB	⊕ 62k	31093CB	⊕ 430k	30648CB	⊕ 3.0M
59811CB	⊕ 4.7	30824CB	⊕ 33	30470CB ▲✖	⊕ 220	29760CB ▲●	⊕ 1.5k	29911CB ▲✖	⊕ 10k	31481CB	⊕ 68k	31202CB ▲●	⊕ 470k	30681CB	⊕ 3.3M
31211CB	⊕ 5.1	30904CB	⊕ 36	30568CB	⊕ 240	29786CB	⊕ 1.6k	30031CB	⊕ 11k	31552CB	⊕ 75k	31325CB	⊕ 510k	30710CB	⊕ 3.6M
31253CB	⊕ 5.6	59723CB	⊕ 39	30605CB ▲●	⊕ 270	29807CB	⊕ 1.8k	30074CB	⊕ 12k	31616CB	⊕ 82k	31384CB	⊕ 560k	30744CB	⊕ 3.9M
31392CB	⊕ 6.2	31069CB	⊕ 43	30795CB	⊕ 300	30277CB ▲●	⊕ 2.0k	30111CB	⊕ 13k	31683CB	⊕ 91k	31472CB	⊕ 620k	31051CB	⊕ 4.7M
31421CB	⊕ 6.8	31106CB ▲●	⊕ 47	30867CB ▲●	⊕ 330	30314CB ▲●	⊕ 2.2k	30146CB ▲●	⊕ 15k	29997CB ▲✖	⊕ 100k	31501CB	⊕ 680k	31245CB	⊕ 5.1M
31528CB	⊕ 7.5	31296CB	⊕ 51	30921CB	⊕ 360	30357CB	⊕ 2.4k	30200CB	⊕ 16k	30058CB	⊕ 110k	31579CB	⊕ 750k	59934CB	⊕ 5.6M
31587CB	⊕ 8.2	31341CB	⊕ 56	30963CB ●	⊕ 390	30390CB ▲●	⊕ 2.7k	30242CB	⊕ 18k	30091CB	⊕ 120k	31632CB	⊕ 820k	31413CB	⊕ 6.2M
31641CB	⊕ 9.1	60089CB	⊕ 62	31085CB	⊕ 430	30630CB	⊕ 3.0k	30429CB ●	⊕ 20k	30138CB	⊕ 130k	31704CB	⊕ 910k	31448CB	⊕ 6.8M
29882CB ▲●	⊕ 10	60134CB	⊕ 68	31165CB ▲●	⊕ 470	30672CB ▲●	⊕ 3.3k	30453CB ▲●	⊕ 22k	30171CB	⊕ 150k	29698CB ▲●	⊕ 1.0M	60206CB	⊕ 7.5M
59061CB	⊕ 11	60222CB	⊕ 75	31317CB	⊕ 510	30701CB	⊕ 3.6k	30550CB	⊕ 24k	30226CB	⊕ 160k	29727CB	⊕ 1.1M	31608CB	⊕ 8.2M
30066CB	⊕ 12	60302CB	⊕ 82	31376CB	⊕ 560	30736CB	⊕ 3.9k	30592CB	⊕ 27k	30269CB	⊕ 180k	29743CB	⊕ 1.2M	31667CB	⊕ 9.1M
30103CB	⊕ 13	31675CB	⊕ 91	31464CB	⊕ 620	59782CB	⊕ 4.3k	30779CB	⊕ 30k	30437CB	⊕ 200k	29751CB	⊕ 1.3M	29938CB▲●	⊕ 10M

1/8-Watt Carbon Film Resistor (±5%) Assortments

• 1/8-W – $12.95/k (bulk) • 1/2-W – $15.95/k (bulk)

Part No.	Cross Ref. No.	Values included	Description (see chart below)	Pricing 1	Pricing 10
108302CB	ASST1830 ⊕	✗	10 ea. of 24 values marked by ✗ and 50 ea.		
		#	of 6 values marked below by # (540 pcs.)	$12.95	$11.49
108290CB	ASST1827 ⊕	✔	100 ea. of 27 values marked by ✓ (2,700 pcs.)	29.95	26.95
108329CB	CAB182R ⊕	—	1/8-watt resistor component cabinet kit – 30 values (540 pcs.), see page 93	24.95	22.49

1/8 & 1/2-Watt Resistor Assortments Value Chart (Ohms)

10 ✓✗	150 ✓✗	330 ✓✗	680 ✓✗	2.0k ✓✗	3.3k ✓✗	5.6k ✓✗	15k ✓✗	33k ✓✗	470k ✓✗
47 ✓✗	220 ✓#	390 ✗	1.0k ✓#	2.2k ✓✗	4.7k ✓#	6.8k ✗	22k ✓✗	47k ✓✗	1.0M ✓✗
100 ✓#	270 ✓✗	470 ✓✗	1.5k ✓✗	2.7k ✓✗	5.1k ✓✗	10k ✓#	27k ✗	100k ✓#	10M ✓✗

(✓), (✗), (#) symbols indicate Resistor values included in Assortments above and below.

1/2-Watt Carbon Film Resistor (±5%) Assortments

• 1/8-W – $12.95/k (bulk) • 1/2-W – $15.95/k (bulk)

Part No.	Cross Ref. No.	Values Included	Description (see chart above)	Pricing 1	Pricing 10
107852CB	ASST1230 ⊕	✗	10 ea. of 24 values marked by ✗ and 50 ea.		
		#	of 6 values marked by # (540 pcs.)	$14.95	$13.49
107844CB	ASST1227 ⊕	✔	100 ea. of 27 values marked by ✓ (2,700 pcs.)	34.95	31.49
107836CB	ASST1270 ⊕	—	5 ea. of 70 values (every other value from 10Ω - 5.6MΩ)(350 pcs.) (see chart above)	10.95	9.95
107879CB	CAB12R ⊕	—	1/2-watt resistor component cabinet kit – 30 values (540 pcs.), see page 93	29.95	26.95

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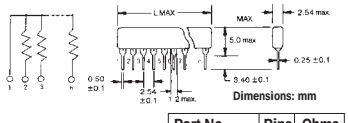
We're committed to providing you with the best service in the industry.

Single-In-Line "SIP" Resistor Networks (±2%)

8 and 10-Pin Bused (125mW/Resistor) ±2%

Features (8BRN/10BRN):

- **8-pin package (7 resistors) = 8BRN**
  10-pin package (9 resistors) = 10BRN
- Rated power per resistor at 70°C: 125mW/ resistor
- Operating temperature range: -55°C to +125°C
- Resistance temperature coefficient: 200ppm/°C
- Insulation resistance: 10,000MΩ min. at 100V
- Solderability: per MIL-R-83401
- Low profile 5mm (.200" body ht.)
- Low profile is compatible w/ DIPs
- Cermet thick film construction



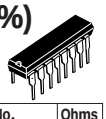


Pricing per each			
1	10	100	1000
$.25	$.19	$.15	$.12
Pricing for P/N 97826CB			
$.24	$.18	$.14	$.11

Part No.	Pins	Ohms
97826CB ⊕	8	10k
97851CB ⊕	10	330
97869CB	10	470
97877CB ⊕	10	1.0k
97893CB ⊕	10	2.2k
24660CB ⊕	10	4.7k
24643CB ⊕	10	10k
98087CB	10	47k
98095CB ⊕	10	100k

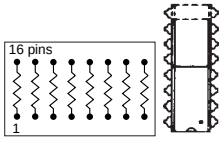
Dual-In-Line "DIP" Resistor Networks (±2%)

16-Pin Isolated (140mW/Resistor) ±2%



Features (16IRN):

- Maximum operating voltage: 100V • Tolerance: ±2%
- Temperature coefficient: ±100ppm/°C
- Operating temp.: -55°C to +125°C
- Insulation resistance: 10,000MΩ min.
- Lead solderability/solvent resistance: meets requirements of MIL-R-83401
- Power rating at 70°C: 2.25 watts
- Compatible with automatic insertion equipment
- Copper leads for excellent heat dissipation



Pricing per each			
1	10	100	1000
$.39	$.35	$.31	$.29

Part No.	Ohms
164005CB	33
108556CB ⊕	100
108564CB ⊕	220
108572CB ⊕	330
108581CB ⊕	470
108599CB ⊕	1.0k
108610CB ⊕	4.7k
108628CB ⊕	10k
108644CB ⊕	100k

SIP and DIP Resistor Network Cross Reference Chart

Jameco	CTS	A – B	Bourns	Dale	Beckman	Sprague	MEPCO
8BRN…	770-81-R…	708A…	4608X-101…	CSC08A01…	L08-1-R…	356CF… X2PD	9S08… GL002
10BRN…	770-101-R…	710A…	4610X-101…	CSC10A01…	L10-1-R…	256CX …X2PD	9S10… GL002
16IRN…	761-3-R…	316B…	4116R-001…	MDP16-03…	898-3-R…	916C… X5SR	D16H… 12-J

℞ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

6, 8, and 10-Pin Bused Single-In-Line "SIP" Resistor Networks (±2%)

6-Pin Resistor Network, 4606X Series Value Equivalents

Part No.	Cross Ref. No.	Ohms
267098CB	4606X-101-100 ⊕	10
267670CB	4606X-101-220 ⊕	22
267688CB	4606X-101-270 ⊕	27
267696CB	4606X-101-330 ⊕	33
267709CB	4606X-101-390 ⊕	39
267717CB	4606X-101-470 ⊕	47
267725CB	4606X-101-510 ⊕	51
267733CB	4606X-101-560 ⊕	56
267741CB	4606X-101-680 ⊕	68
267750CB	4606X-101-820 ⊕	82
267768CB	4606X-101-101 ⊕	100
267776CB	4606X-101-121 ⊕	120
267784CB	4606X-101-151 ⊕	150
267792CB	4606X-101-181 ⊕	180
267805CB	4606X-101-221 ⊕	220
267813CB	4606X-101-271 ⊕	270
267821CB	4606X-101-331 ⊕	330
267830CB	4606X-101-391 ⊕	390
267848CB	4606X-101-471 ⊕	470
267856CB	4606X-101-511 ⊕	510
267864CB	4606X-101-561 ⊕	560
267881CB	4606X-101-821 ⊕	820
267899CB	4606X-101-102 ⊕	1.0k
267901CB	4606X-101-122 ⊕	1.2k
267910CB	4606X-101-152 ⊕	1.5k
267928CB	4606X-101-182 ⊕	1.8k
267936CB	4606X-101-202 ⊕	2.0k
267944CB	4606X-101-222 ⊕	2.2k
267952CB	4606X-101-272 ⊕	2.7k
267961CB	4606X-101-332 ⊕	3.3k
267979CB	4606X-101-392 ⊕	3.9k
267987CB	4606X-101-472 ⊕	4.7k
267995CB	4606X-101-512 ⊕	5.1k
268007CB	4606X-101-562 ⊕	5.6k
268015CB	4606X-101-682 ⊕	6.8k
268023CB	4606X-101-822 ⊕	8.2k
268031CB	4606X-101-103 ⊕	10k
268040CB	4606X-101-123 ⊕	12k
268058CB	4606X-101-153 ⊕	15k
268066CB	4606X-101-183 ⊕	18k
268074CB	4606X-101-203 ⊕	20k
268082CB	4606X-101-223 ⊕	22k
268091CB	4606X-101-273 ⊕	27k
268103CB	4606X-101-333 ⊕	33k
268111CB	4606X-101-393 ⊕	39k
268120CB	4606X-101-473 ⊕	47k
268138CB	4606X-101-563 ⊕	56k
268146CB	4606X-101-683 ⊕	68k
268154CB	4606X-101-823 ⊕	82k
268162CB	4606X-101-104 ⊕	100k
268171CB	4606X-101-124 ⊕	120k
268189CB	4606X-101-154 ⊕	150k
268197CB	4606X-101-184 ⊕	180k
268200CB	4606X-101-224 ⊕	220k
268218CB	4606X-101-274 ⊕	270k
268226CB	4606X-101-334 ⊕	330k
268234CB	4606X-101-394 ⊕	390k
268242CB	4606X-101-474 ⊕	470k
268251CB	4606X-101-564 ⊕	560k
268269CB	4606X-101-684 ⊕	680k
268277CB	4606X-101-824 ⊕	820k
268285CB	4606X-101-105 ⊕	1.0M

8-Pin Resistor Network, 4608X Series Value Equivalents

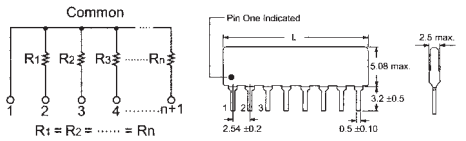
Part No.	Cross Ref. No.	Ohms
267354CB	4608X-101-100 ⊕	10
275864CB	4608X-101-220 ⊕	22
275872CB	4608X-101-270 ⊕	27
275881CB	4608X-101-330 ⊕	33
275899CB	4608X-101-390 ⊕	39
275901CB	4608X-101-470 ⊕	47
275910CB	4608X-101-510 ⊕	51
275928CB	4608X-101-560 ⊕	56
275936CB	4608X-101-680 ⊕	68
275944CB	4608X-101-820 ⊕	82
275952CB	4608X-101-101 ⊕	100
275961CB	4608X-101-121 ⊕	120
275979CB	4608X-101-151 ⊕	150
275987CB	4608X-101-181 ⊕	180
275995CB	4608X-101-221 ⊕	220
276007CB	4608X-101-271 ⊕	270
276015CB	4608X-101-331 ⊕	330
276023CB	4608X-101-391 ⊕	390
276031CB	4608X-101-471 ⊕	470
276040CB	4608X-101-511 ⊕	510
276058CB	4608X-101-561 ⊕	560
276066CB	4608X-101-681 ⊕	680
276074CB	4608X-101-821 ⊕	820
276082CB	4608X-101-102 ⊕	1.0k
276091CB	4608X-101-122 ⊕	1.2k
276103CB	4608X-101-152 ⊕	1.5k
276111CB	4608X-101-182 ⊕	1.8k
276120CB	4608X-101-202 ⊕	2.0k
276138CB	4608X-101-222 ⊕	2.2k
276146CB	4608X-101-272 ⊕	2.7k
276154CB	4608X-101-332 ⊕	3.3k
276162CB	4608X-101-392 ⊕	3.9k
276171CB	4608X-101-472 ⊕	4.7k
276189CB	4608X-101-512 ⊕	5.1k
276197CB	4608X-101-562 ⊕	5.6k
276200CB	4608X-101-682 ⊕	6.8k
276218CB	4608X-101-822 ⊕	8.2k
276226CB	4608X-101-103 ⊕	10k
276234CB	4608X-101-123 ⊕	12k
276242CB	4608X-101-153 ⊕	15k
276251CB	4608X-101-183 ⊕	18k
276269CB	4608X-101-203 ⊕	20k
276277CB	4608X-101-223 ⊕	22k
276285CB	4608X-101-273 ⊕	27k
276293CB	4608X-101-333 ⊕	33k
276306CB	4608X-101-393 ⊕	39k
276315CB	4608X-101-473 ⊕	47k
276322CB	4608X-101-563 ⊕	56k
276331CB	4608X-101-683 ⊕	68k
276349CB	4608X-101-823 ⊕	82k
276357CB	4608X-101-104 ⊕	100k
276365CB	4608X-101-124 ⊕	120k
276373CB	4608X-101-154 ⊕	150k
276381CB	4608X-101-184 ⊕	180k
276390CB	4608X-101-224 ⊕	220k
276402CB	4608X-101-274 ⊕	270k
276411CB	4608X-101-334 ⊕	330k
276429CB	4608X-101-394 ⊕	390k
276437CB	4608X-101-474 ⊕	470k
276445CB	4608X-101-564 ⊕	560k
276453CB	4608X-101-684 ⊕	680k
276461CB	4608X-101-824 ⊕	820k
276470CB	4608X-101-105 ⊕	1.0M

10-Pin Resistor Network, 4610X Series Value Equivalents

✪ Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Ohms
267418CB	4610X-101-100 ⊕	10
280583CB	4610X-101-220 ⊕	22
280591CB	4610X-101-270 ⊕	27
280604CB	4610X-101-330 ⊕	33
280612CB	4610X-101-390 ⊕	39
280621CB	4610X-101-470 ⊕	47
280639CB	4610X-101-510 ⊕	51
280647CB	4610X-101-560 ⊕	56
280655CB	4610X-101-680 ⊕	68
280663CB	4610X-101-820 ⊕	82
280671CB	4610X-101-101 ⊕	100
280680CB	4610X-101-121 ⊕	120
280698CB	4610X-101-151 ⊕	150
280701CB	4610X-101-181 ⊕	180
280719CB	4610X-101-221 ⊕	220
280727CB	4610X-101-271 ⊕	270
280736CB	4610X-101-331	330
280743CB	4610X-101-391 ⊕	390
280751CB	4610X-101-471 ⊕	470
280760CB	4610X-101-511 ⊕	510
280778CB	4610X-101-561 ⊕	560
280786CB	4610X-101-681 ⊕	680
280794CB	4610X-101-821 ⊕	820
280807CB	4610X-101-102 ⊕	1.0k
280815CB	4610X-101-122 ⊕	1.2k
280823CB	4610X-101-152 ⊕	1.5k
280831CB	4610X-101-182 ⊕	1.8k
280840CB	4610X-101-202 ⊕	2.0k
280858CB	4610X-101-222 ⊕	2.2k
280866CB	4610X-101-272 ⊕	2.7k
280874CB	4610X-101-332 ⊕	3.3k
280882CB	4610X-101-392 ⊕	3.9k
280891CB	4610X-101-472 ⊕	4.7k
280903CB	4610X-101-512 ⊕	5.1k
280911CB	4610X-101-562 ⊕	5.6k
280920CB	4610X-101-682 ⊕	6.8k
280938CB	4610X-101-822 ⊕	8.2k
280947CB	4610X-101-103 ⊕	10k
280954CB	4610X-101-123 ⊕	12k
280962CB	4610X-101-153 ⊕	15k
280971CB	4610X-101-183 ⊕	18k
280989CB	4610X-101-203 ⊕	20k
280997CB	4610X-101-223 ⊕	22k
281009CB	4610X-101-273 ⊕	27k
281017CB	4610X-101-333 ✪ ⊕	33k
281025CB	4610X-101-393 ⊕	39k
281033CB	4610X-101-473 ⊕	47k
281041CB	4610X-101-563 ⊕	56k
281050CB	4610X-101-683 ⊕	68k
281068CB	4610X-101-823 ⊕	82k
281076CB	4610X-101-104 ⊕	100k
281084CB	4610X-101-124 ⊕	120k
281092CB	4610X-101-154 ⊕	150k
281105CB	4610X-101-184 ⊕	180k
281113CB	4610X-101-224 ⊕	220k
281121CB	4610X-101-274 ⊕	270k
281130CB	4610X-101-334 ⊕	330k
281148CB	4610X-101-394 ⊕	390k
281156CB	4610X-101-474 ⊕	470k
281164CB	4610X-101-564 ⊕	560k
281172CB	4610X-101-684 ⊕	680k
281181CB	4610X-101-824 ⊕	820k
281199CB	4610X-101-105 ⊕	1.0M





- Miniature, high density packaging
- Operating temperature range: -55˚C to +125˚C
- Temperature coefficient range: ±100ppm/°C: 50Ω – 1.0MΩ; ±250ppm/°C: <50Ω or >1.0M
- Rating ambient temperature: +70˚C
- Wattage/element: 1/8 Watt
- Max. working voltage: 100V
- **Prepackaged: order in increments of 10**

6-Pin Resistor Network Pricing

Qty.	10	100	500	1000
Price	$.14	$.085	$.076	$.071

8-Pin Resistor Network Pricing

Qty.	10	100	500	1000
Price	$.19	$.122	$.114	$.105

10-Pin Resistor Network Pricing

Qty.	10	100	500	1000
Price	$.23	$.16	$.14	$.13

0805 Resistor Assortment (±5%)

144 Values, 50 pcs. each; 7,200 Pieces Total



Resistance Value Chart:

1.2	10	75	430	2.0k	10k	51k	270k	2.2M
1.6	16	85	470	2.2k	11k	56k	300k	2.4M
2.2	18	91	510	2.4k	12k	62k	360k	2.7M
2.4	20	110	560	2.7k	13k	68k	390k	3.0M
2.7	22	120	620	3.0k	15k	75k	430k	3.3M
3.0	24	130	680	3.3k	16k	82k	470k	3.6M
3.3	27	150	750	3.6k	18k	91k	510k	3.9M
4.3	30	160	820	3.9k	20k	100k	560k	4.3M
4.7	33	180	910	4.3k	22k	110k	620k	4.7M
5.1	39	200	1.0k	4.7k	24k	120k	750k	5.1M
5.6	43	220	1.1k	5.6k	27k	150k	820k	5.6M
6.2	47	240	1.2k	6.2k	30k	160k	910k	6.8M
6.8	51	270	1.3k	6.8k	33k	180k	1.0M	7.5M
7.5	56	300	1.5k	7.5k	36k	200k	1.6M	8.2M
8.2	62	360	1.6k	8.2k	39k	220k	1.8M	9.1M
9.1	68	390	1.8k	9.1k	43k	240k	2.0M	10M

- Size (mm): 2.0L x 1.25W x 0.5Thick
- Max. overload voltage: 200V
- 1/8 watts
- Operating temperature: -50˚C to 120˚C
- Case size (two cases): 10.5"L x 6.7"W x 1.7"T
- Weight: 1.9 lbs.

Includes: Case with labels

Part No.	Cross Ref. No.	1	10	25
172806CB	16-500 ⊕	$79.95	$71.95	$64.79

1206 Resistor Assortment (±1%)

56 Values, 200 pcs. each; 11,200 pcs.Total



Packaged in strips of 200 pcs. each

Value Chart (Ohms)

10	200	3.92k	75k
12.1	243	4.99k	90.9k
15	301	6.19k	100k
20	392	7.5k	121k
24.3	499	9.09k	150k
30.1	619	10k	200k
39.2	750	12.1k	243k
49.9	909	15k	301k
61.9	1k	20k	392k
75	1.21k	24.3k	499k
90.9	1.5k	30.1k	619k
100	2k	39.2k	750k
121	2.43k	49.9k	909k
150	3.01k	61.9k	1M

- Max. working voltage: 200V
- Power: 1/8W
- Operating temperature: -55˚C to +125˚C
- Temp. coefficient: ±100 ppm/˚C
- Resistor dimensions (mm): 3.10L x 1.5 W x 0.55H

Part No.	Cross Ref. No.	1	10	25
156881CB	SMR1206SB ⊕	$99.99	$89.99	$79.99

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

1/2-Watt Linear Taper (±10%)

- Temperature range: -55˚C to +125˚C
- Non-rotational key
- Non-slotted shaft end
- Mounting hole: 0.3125"
- Shaft diameter: 0.25"
- Shaft length: 0.50"
- Maximum panel thickness: 0.1875"





29081CB

Includes: Mounting hardware

Qty.	1	10	100	500
Price	$.99	$.79	$.65	$.55

Part No	Cross Ref. No.	Ohms
29049CB	P1K ⊕	1k
29196CB	P5K ⊕	5k
29081CB	P10K ⊕	10k
29102CB	P100K ⊕	100k
29065CB	P1MEG ⊕	1M

RV4N Style 2-Watt Linear Taper (±10%)

- Shaft diameter: 0.25"
- Shaft length: 0.875"
- 2W @ 70˚C ambient
- Conductive plastic element
- Temp. range: -55˚C to +120˚C
- Non-rotational key
- Mounting hole: 0.375"
- Maximum panel thickness: 0.25"



95417CB

Includes: Mounting hardware

Qty.	1	10	25	50
Price	$7.39	$6.54	$5.45	$5.20

Part No.	Product No.	Military No.	Ohms
241550CB	53C3-50 ⊕	RV4NAYSD500A	50
241568CB	53C3-100 ⊕	RV4NAYSD101A	100
241576CB	53C3-150 ⊕	RV4NAYSD151A	150
241584CB	53C3-250 ⊕	RV4NAYSD251A	250
241592CB	53C3-350 ⊕	RV4NAYSD351A	350
183610CB	53C3-500 ⊕	RV4NAYSD501A	500
13936CB	53C3-1k ⊕	RV4NAYSD102A	1k
241605CB	53C3-1.5k ⊕	RV4NAYSD152A	1.5k
241613CB	53C3-2k ⊕	RV4NAYSD202A	2k
241621CB	53C3-2.5k ⊕	RV4NAYSD252A	2.5k
241630CB	53C3-3.5k ⊕	RV4NAYSD352A	3.5k
13995CB	53C3-5k ⊕	RV4NAYSD502A	5k
13952CB	53C3-10k ⊕	RV4NAYSD103A	10k
241648CB	53C3-15k ⊕	RV4NAYSD153A	15k
241656CB	53C3-20k ⊕	RV4NAYSD203A	20k
241664CB	53C3-25k ⊕	RV4NAYSD253A	25k
95417CB	53C3-50k ⊕	RV4NAYSD503A	50k
13979CB	53C3-100k ⊕	RV4NAYSD104A	100k
241672CB	53C3-150k ⊕	RV4NAYSD154A	150k
241681CB	53C3-250k ⊕	RV4NAYSD254A	250k
241699CB	53C3-350k ⊕	RV4NAYSD354A	350k
241728CB	53C3-1Meg ⊕	RV4NAYSD105A	1M
241736CB	53C3-2Meg ⊕	RV4NAYSD205A	2M
286942CB	53C3-3Meg ⊕	RV4NAYSD305A	3M

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1-800-831-4242

1/2-Watt 24mm Linear Taper (±20%)



255476CB



264372CB



255610CB

- Maximum voltage: 500V
- Rotational angle: 300° (±5°)
- Withstanding voltage for 1 minute: 500VAC

0.335"L shaft; solder lugs

Qty.	1	10	100	500
Price	$1.19	$.91	$.83	$.76

Part No.	Product No.	Ohms
255476CB	RV24A-10-15R1-B500 ⊕	500
255484CB	RV24A-10-15R1-B1K ⊕	1k
255492CB	RV24A-10-15R1-B2K ⊕	2k
255505CB	RV21A-10-15R1-B2.5K ⊕	2.5k
255513CB	RV24A-10-15R1-B5K ⊕	5k
255521CB	RV24A-10-15R1-B10K ⊕	10k
255530CB	RV24A-10-15R1-B25K ⊕	25k
255548CB	RV24A-10-15R1-B50K ⊕	50k
255556CB	RV24A-10-15R1-B100K ⊕	100k
255564CB	RV24A-10-15R1-B250K ⊕	250k
255572CB	RV24A-10-15R1-B500K ⊕	500k
255581CB	RV24A-10-15R1-B1M ⊕	1M
255599CB	RV24A-10-15R1-B2M ⊕	2M
255601CB	RV24A-10-15R1-B5M ⊕	5M

0.531"L knurled shaft; solder lugs

Qty.	1	10	100	500
Price	$1.19	$.91	$.83	$.76

Part No.	Product No.	Ohms
264372CB	RV24A-10-20K-B500 ⊕	500
264381CB	RV24A-10-20K-B1K ⊕	1k
264399CB	RV24A-10-20K-B2K ⊕	2k
264401CB	RV24A-10-20K-B5K ⊕	5k
264410CB	RV24A-10-20K-B10K ⊕	10k
264428CB	RV24A-10-20K-B50K ⊕	50k
264436CB	RV24A-10-20K-B100K ⊕	100k
264444CB	RV24A-10-20K-B250K ⊕	250k
264452CB	RV24A-10-20K-B500K ⊕	500k
264461CB	RV24A-10-20K-B1M ⊕	1M
264479CB	RV24A-10-20K-B2M ⊕	2M

1.32"L shaft; solder lugs

Qty.	1	10	100	500
Price	$1.15	$.95	$.86	$.79

Part No.	Product No.	Ohms
255610CB	RV24A-10-40R1-B500 ⊕	500
255628CB	RV24A-10-40R1-B1K ⊕	1k
255636CB	RV24A-10-40R1-B2K ⊕	2k
255644CB	RV24A-10-40R1-B2.5K ⊕	2.5k
255652CB	RV24A-10-40R1-B5K ⊕	5k
255661CB	RV24A-10-40R1-B10K ⊕	10k
255679CB	RV24A-10-40R1-B25K ⊕	25k
255687CB	RV24A-10-40R1-B50K ⊕	50k
255695CB	RV24A-10-40R1-B100K ⊕	100k
255708CB	RV24A-10-40R1-B250K ⊕	250k
255716CB	RV24A-10-40R1-B500K ⊕	500k
255724CB	RV24A-10-40R1-B1M ⊕	1M
255732CB	RV24A-10-40R1-B5M ⊕	5M

1/2-Watt 24mm Linear Taper with SPST Switch (±20%)

- Shaft length: 0.335"
- Shaft diameter: .250"
- Terminal type: solder lugs
- Maximum voltage: 500V
- Switch rating: 125VAC, 1A
- Rotational angle: 300° (±5°)



263759CB

Qty.	1	10	100	500
Price	$1.59	$1.36	$1.24	$1.13

Part No.	Product No.	Ohms
263759CB	RV24A01-10-15R1-B500 ⊕	500
263767CB	RV24A01-10-15R1-B1K ⊕	1k
263775CB	RV24A01-10-15R1-B2.5K ⊕	2.5k
263783CB	RV24A01-10-15R1-B5K ⊕	5k
263791CB	RV24A01-10-15R1-B10K ⊕	10k
263804CB	RV24A01-10-15R1-B25K ⊕	25k
263812CB	RV24A01-10-15R1-B50K ⊕	50k
263821CB	RV24A01-10-15R1-B100K ⊕	100k
263839CB	RV24A01-10-15R1-B250K ⊕	250k
263847CB	RV24A01-10-15R1-B500K ⊕	500k
263855CB	RV24A01-10-15R1-B1M ⊕	1M

1/4-Watt 24mm Audio Taper (±20%)

- Shaft length: 0.335"
- Maximum voltage: 250V
- Shaft diameter: .250"
- Terminal type: solder lugs
- Insulation resistance: >100MΩ @ 500VDC
- Rotational angle: 300° (±5°)



255396CB

Qty.	1	10	100	500
Price	$1.19	$.91	$.83	$.76

Part No.	Product No.	Ohms
255396CB	RV24A-10-15R1-A1K ⊕	1k
255417CB	RV24A-10-15R1-A5K ⊕	5k
255425CB	RV24A-10-15R1-A10K ⊕	10k
255433CB	RV24A-10-15R1-A50K ⊕	50k
255441CB	RV24A-10-15R1-A100K ⊕	100k
255450CB	RV24A-10-15R1-A500K ⊕	500k
255468CB	RV24A-10-15R1-A1M ⊕	1M

1/4-Watt 24mm Audio Taper with SPST Switch (±20%)

- Shaft length: 0.590"
- Voltage rating: 250V
- Shaft diameter: .250"
- Switch rating: 125VAC, 1A
- Rotational angle: 300° (±5°)

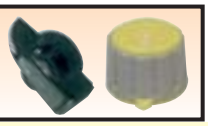


263601CB

Qty.	1	10	100	500
Price	$1.59	$1.36	$1.24	$1.13

Part No.	Product No.	Ohms
263601CB	RV24A01-10-15R1-A1K ⊕	1k
263610CB	RV24A01-10-15R1-A5K ⊕	5k
263636CB	RV24A01-10-15R1-A10K ⊕	10k
263644CB	RV24A01-10-15R1-A50K ⊕	50k
263652CB	RV24A01-10-15R1-A100K ⊕	100k
263661CB	RV24A01-10-15R1-A500K ⊕	500k
263679CB	RV24A01-10-15R1-A1M ⊕	1M

Instrumentation Knobs
See page 181



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

1/5-Watt 16mm Linear Taper, Single Detent


286352CB

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: .250"
- Total rotation angle: 300˚ (±5˚)
- Rotation life: 15,000 cycles
- Center detent
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute

Qty.	1	10	100	500
Price	$1.35	$1.13	$1.04	$.94

Part No.	Product No.	Ohms
286352CB	RV16A-10-15R1-B1K-OC ⊕	1k
286361CB	RV16A-10-15R1-B2K-OC ⊕	2k
286379CB	RV16A-10-15R1-B5K-OC ⊕	5k
286387CB	RV16A-10-15R1-B10K-OC ⊕	10k
286395CB	RV16A-10-15R1-B25K-OC ⊕	25k
286408CB	RV16A-10-15R1-B50K-OC ⊕	50k
286416CB	RV16A-10-15R1-B100K-OC ⊕	100k
286424CB	RV16A-10-15R1-B250K-OC ⊕	250k
286432CB	RV16A-10-15R1-B500K-OC ⊕	500k
286441CB	RV16A-10-15R1-B1M-OC ⊕	1M

1/5-Watt 16mm Linear Taper, 11 Detents


286459CB

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: .250"
- Rotational angle: 300˚ (±5˚)
- Insulation resistance: >100MΩ @500VDC
- 11-detent position
- Withstanding voltage: 500VAC, 1 minute

Qty.	1	10	100	500
Price	$1.65	$1.38	$1.25	$1.13

Part No.	Product No.	Ohms
286459CB	RV16A-10-15R1-B1K-OD ⊕	1k
286467CB	RV16A-10-15R1-B2K-OD ⊕	2k
286475CB	RV16A-10-15R1-B5K-OD ⊕	5k
286483CB	RV16A-10-15R1-B10K-OD ⊕	10k
286491CB	RV16A-10-15R1-B25K-OD ⊕	25k
286504CB	RV16A-10-15R1-B50K-OD ⊕	50k
286512CB	RV16A-10-15R1-B100K-OD ⊕	100k
286521CB	RV16A-10-15R1-B250K-OD ⊕	250k
286539CB	RV16A-10-15R1-B500K-OD ⊕	500k
286547CB	RV16A-10-15R1-B1M-OD ⊕	1M

1/5-Watt 16mm Linear Taper w/ DPDT Switch, Solder Lugs

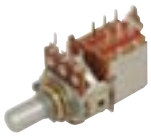

286660CB

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: .250"
- Terminal type: solder lugs
- Switch rating: 0.3A; 30VDC
- Rotation angle: 300˚ (±5˚)
- Rotation life: 15,000 cycles
- Switch life: 10,000 times
- Insulation resistance: >100MΩ @ 500VDC
- Dielectric strength: 500VAC for 1 minute

Qty.	1	10	100	500
Price	$3.55	$2.96	$2.70	$2.45

Part No.	Product No.	Ohms
286660CB	RV16B-10-15R1-B1K ⊕	1k
286678CB	RV16B-10-15R1-B5K ⊕	5k
286686CB	RV16B-10-15R1-B10K ⊕	10k
286694CB	RV16B-10-15R1-B50K ⊕	50k
286707CB	RV16B-10-15R1-B100K ⊕	100k

1/5-Watt 16mm Linear Taper w/ DPDT Switch, PC Terminals


286740CB

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: .250"
- Terminal type: PC terminals (horizontal)
- Switch rating: 0.3A; 30VDC
- Rotation angle: 300˚ (±5˚)
- Rotation life: 15,000 cycles
- Switch life: 10,000 times
- Insulation resistance: >100MΩ @ 500VDC
- Dielectric strength: 500VAC for 1 minute

Qty.	1	10	100	500
Price	$3.55	$2.96	$2.70	$2.45

Part No.	Product No.	Ohms
286731CB	RV16B-20-15R1-B10K ⊕	10k
286740CB	RV16B-20-15R1-B50K ⊕	50k
286758CB	RV16B-20-15R1-B100K ⊕	100k

1/5-Watt 16mm Linear Taper


286256CB

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: .250"
- Rotation angle: 300˚ (±5˚)
- Rotational life: 15,000 cycles
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute

Qty.	1	10	100	500
Price	$1.15	$1.00	$.87	$.80

Part No.	Product No.	Ohms
286248CB	RV16A-10-15R1-B1K ⊕	1k
286256CB	RV16A-10-15R1-B2K ⊕	2k
286264CB	RV16A-10-15R1-B5K ⊕	5k
286272CB	RV16A-10-15R1-B10K ⊕	10k
286281CB	RV16A-10-15R1-B25K ⊕	25k
286299CB	RV16A-10-15R1-B50K ⊕	50k
286301CB	RV16A-10-15R1-B100K ⊕	100k
286310CB	RV16A-10-15R1-B250K ⊕	250k
286328CB	RV16A-10-15R1-B500K ⊕	500k
286336CB	RV16A-10-15R1-B1M ⊕	1M
286344CB	RV16A-10-15R1-B1.2M ⊕	1.2M

1/5-Watt 16mm Linear Taper with SPST Switch (±20%)


286766CB

- Shaft length: 0.374"
- Rated voltage: 200V
- Shaft diameter: .250"
- Terminal type: PC terminal (vertical; back)
- Total rotation angle: 270˚ (±5˚)
- Rotation life: 100,000 cycles
- Switch life: 10,000 times
- Insulation resistance: >100MΩ @ 500VDC
- Switch contact resistance: <100mΩ
- Switch rating: 250VAC 10A

Qty.	1	10	100	500
Price	$2.25	$1.90	$1.73	$1.57

Part No.	Product No.	Ohms
286766CB	RV16C-40-16F1-B5K ⊕	5k
286774CB	RV16C-40-16F1-B10K ⊕	10k
286782CB	RV16C-40-16F1-B50K ⊕	50k
286791CB	RV16C-40-16F1-B500K ⊕	500k

1/8-Watt 16mm Linear Taper


286061CB

- Shaft length: 0.531"
- Rated voltage: 200V
- Shaft diameter: .250"
- Rotational angle: 300˚ (±5˚)
- Rotation life: 15,000 cycles
- Rotational noise: 47mV
- Insulation resistance: >100MΩ @ 500VDC
- Tolerance: <1MΩ (±20%); ≥1MΩ (±30%)
- Dielectric strength: 500VAC for 1 minute

Qty.	1	10	100	500
Price	$1.19	$1.00	$.83	$.70

Part No.	Product No.	Ohms
286061CB	RV16A-10-20R1-B1K ⊕	1k
286184CB	RV16A-10-20R1-B2K ⊕	2k
286192CB	RV16A-10-20R1-B5K ⊕	5k
286205CB	RV16A-10-20R1-B10K ⊕	10k
286213CB	RV16A-10-20R1-B50K ⊕	50k
286854CB	RV16A-10-20R1-B100K ⊕	100k
286221CB	RV16A-10-20R1-B500K ⊕	500k
286230CB	RV16A-10-20R1-B1M ⊕	1M

1/8-Watt 16mm Linear Taper with SPST Switch (±20%)


286598CB

- Shaft Length: 0.335"
- Shaft diameter: .250"
- Terminal type: solder lugs double row
- Rated voltage: 200V
- Total rotation angle: 300˚ (±5˚)
- Rotation life: 15,000 cycles
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute
- Switch contact resistance: 20mΩ
- Switch rating: 12VDC/1A

Qty.	1	10	100	500
Price	$1.95	$1.62	$1.47	$1.34

Part No.	Product No.	Ohms
286598CB	RV16A03-10-15R1-B1K ⊕	1k
286601CB	RV16A03-10-15R1-B5K ⊕	5k
286619CB	RV16A03-10-15R1-B10K ⊕	10k
286627CB	RV16A03-10-15R1-B50K ⊕	50k
286635CB	RV16A03-10-15R1-B100K ⊕	100k
286643CB	RV16A03-10-15R1-B500K ⊕	500k
286651CB	RV16A03-10-15R1-B1M ⊕	1M

1/10-Watt 16mm Audio Taper (±20%)


286555CB

- Shaft length: 0.335"
- Rated voltage: 200V
- Shaft diameter: .250"
- Rotational angle: 300˚ (±5˚)
- Rotational life: 15,000 cycles
- Rotational noise: 47mV
- Insulation resistance: >100MΩ @ 500VDC
- Withstanding voltage: 500VAC for 1 minute
- 11-detent positions

Qty.	1	10	100	500
Price	$1.65	$1.38	$1.25	$1.13

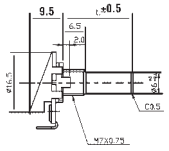
Part No.	Product No.	Ohms
286555CB	RV16A-10-15R1-A10K-OD ⊕	10k
286563CB	RV16A-10-15R1-A50K-OD ⊕	50k
286571CB	RV16A-10-15R1-A100K-OD ⊕	100k
286580CB	RV16A-10-15R1-A1M-OD ⊕	1M

1/5-Watt 16mm Linear Taper (±20%)

- Insulation resistance: 100MΩ @ 500VDC
- Number of detents: 10
- Maximum panel thickness: 0.15"
- Shaft length: 0.605"
- Maximum operating voltage: 150VAC
- Shaft diameter: 0.235"
- Rotational life: 15,000 cycles
- Mounting hole: 0.27"

Includes: Mounting hardware





Part No.	Cross Ref. No.	Ohms	1	10	100	500
163563CB	PMD401 ⊕	10k	$1.65	$1.49	$1.35	$1.09

2-Watt Linear Taper Wire Wound (±20%)

- Temp. range: -10˚C to +70˚C
- Shaft diameter: 0.25"
- Mounting hole: 0.375"
- Non-rotational key
- Length: 0.825"
- Base length: 0.25"

Includes: Mounting hardware



123959CB

Part No.	Cross Ref. No.	Ohms	1	10	100	500
123959CB	PT1K ⊕	1k	$3.29	$2.99	$2.65	$2.39
123967CB	PT5K ⊕	5k	3.29	2.99	2.65	2.39

5-Watt Linear Taper Wire Wound (±20%)

- Temp. range: -10˚C to 70˚C
- Shaft diameter: 0.23" (6mm)
- Shaft length: 0.67", except P/N 140521CB (0.25")
- Non-rotational key
- Mounting hole: 0.32"
- Maximum panel thickness: 0.1"

Includes: Mounting hardware



140513CB

Part No.	Cross Ref. No.	Ohms	1	10	50	100
140513CB	PW5B100 ⊕	100	$2.79	$2.35	$2.25	$2.10
140521CB	PW5B500 ⊕	500	2.79	2.35	2.25	2.10

2-Watt Linear Taper Wire Wound (10-turn)

- Resistance tolerance: ±10%
- 10-turn; wirewound
- Load life: 1000 hours, 2W
- Insulation resistance: (500VDC) 1000MΩ minimum
- Absolute minimum resistance: 1Ω or 0.1% maximum



183548CB

Part No.	Product No.	Ohms	1	10	50
183548CB	3540S-1-502 ⊕	5k	$12.79	$12.35	$12.26
183521CB	3540S-1-103 ⊕	10k	12.99	12.79	12.59

Potentiometer Component Kits

See page 93.



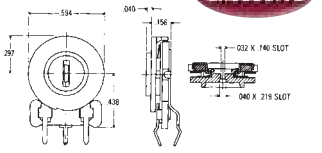


1/4-Watt Miniature Linear (±20%)

X201 (19/32") Vertical Mount



94692CB



Cross Reference Chart

Equivalent to:	
CTS	X201R
Bourns	3355X
PIHER	PT15

- 15mm thick
- Power rating: below 5kΩ – 1/4 watt @ 40˚C; 5kΩ & above – 1/4 watt @ 55˚C
- Total rotation: 260˚ ±5˚
- Voltage rating: 350 VDC

Qty.	1	10	100	500
Price	$.45	$.39	$.35	$.29

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
94692CB	X201R1K ⊕	1k	172136CB	X201R25K ⊕	25k
35502CB	X201R252B ⊕	2.5k	94721CB	X201R50K ⊕	50k
94705CB	X201R5K ⊕	5k	94730CB	X201R100K ⊕	100k
94713CB	X201R10K ⊕	10k			

1/2-Watt Trimming Potentiometers (±10%)

3362P Series

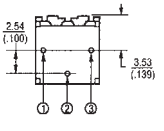
- Linear taper
- Insulation resistance: 500VDC 1,000MΩ minimum
- Absolute minimum resistance:1% or 2Ω maximum
- Contact resistance variation: 1% or 3Ω maximum
- Rotational life: 200 cycles
- Terminals: solderable pins
- Top adjustment: 240˚ nominal
- Wiper positioning: 50% nominal



191644CB

Cross Reference Chart

Equivalent to:	
Bourns	3362P
Copal	CT-6P
Murata	PVC6
Vishay	76

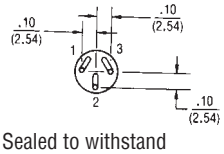


Qty.	1	10	100	500
Price	$.69	$.62	$.47	$.42

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
191644CB	3362P-200 ⊕	20	182836CB	3362P-103 ⊕	10k
189341CB	3362P-500 ⊕	50	182844CB	3362P-204 ⊕	200k
182810CB	3362P-501 ⊕	500	182852CB	3362P-105 ⊕	1M
182828CB	3362P-502 ⊕	5k			

1/2-Watt, 1/4" Round, Cermet (±10%)

3329P Series Value Equivalents



Cross Ref. Chart

Equivalent to:	
Beckman	82M
Bourns	3329P
Mepcopal	8050
MEC	471
Murata	3321P
Spectrol	62-3
VRN	171
Weston	567

- Sealed to withstand wave soldering and immersion cleaning process
- Extended temperature range: -55˚C to +150˚C
- TO-5 grid • Top adjustment
- Terminals: solderable pins

95484CB

Qty.	1	10	100	500
Price	$1.89	$1.59	$1.29	$1.19

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
95441CB	3329P-102 ⊕	1k	96719CB	3329P-103	10k
95450CB	3329P-502 ⊕	5k	95484CB	3329P-104	100k

1/2-Watt, 3/8" Square, Single-Turn Cermet (±10%)

- Top adjustment
- 1/2 watt linear taper @ 70˚C
- PC pins: .100" grid (2.54mm)
- Temperature range: -55˚C to +125˚C
- Sealed to guard against contaminants
- Pin spacing: 0.1" († P/N 43060CB and P/N 105216CB: 0.2")



42964CB

Cross Ref. Chart

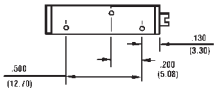
Equivalent to:	
Allen Bradley	E2B
Beckman	72PR
Bourns	3386P
Mepcopal	8038
Murata	3104P
Spectrol	63P
VRN	780-12P
Weston	840P

Part No.	Cross Ref. No.	Ohms	1	10	100	500
43123CB	63P500 ⊕	500	$.85	$.79	$.69	$.49
42964CB	63P1K ⊕	1k	.85	.79	.69	.49
43043CB	63P2K ⊕	2k	.85	.79	.69	.49
43078CB	63P5K ⊕	5k	.85	.79	.69	.49
43001CB	63P10K ⊕	10k	.85	.79	.69	.49
43051CB	63P20K ⊕	20k	.85	.79	.69	.49
43107CB	63P50K ⊕	50k	.85	.79	.69	.49
43027CB	63P100K ⊕	100k	.85	.79	.69	.49
43060CB	63P300K† ⊕	300k	.85	.79	.69	.49
63212CB	63P500K ⊕	500k	.85	.79	.69	.49
42981CB	63P1MEG ⊕	1M	.85	.79	.69	.49
105216CB	63P2MEG† ⊕	2M	.85	.79	.69	.49

3/4-Watt, 3/4" Rectangular 15-Turn Linear Cermet (±10%)



41911CB



Cross Ref. Chart

Equivalent to:	
Allen Bradley	94P
Beckman	89PR
Bourns	3006P
Litton	6034Y
Mepcopal	8034
Murata	2101P
Spectrol	43P
VRN	961-20
Weston	830P

- PC pins: .100" grid (2.54mm)
- Side adjustment
- Temperature range: -55˚C to +125˚C
- Sealed to guard against contaminants

Qty.	1	10	100	500
Price	$1.05	$.99	$.89	$.75

Part No.	Cross Ref No.	Ohms	Part No.	Cross Ref No.	Ohms
181972CB	43P201 ⊕	200	41873CB	43P20K ⊕	20k
41937CB	43P500 ⊕	500	41911CB	43P50K ⊕	50k
41785CB	43P1K ⊕	1k	41849CB	43P100K ⊕	100k
41865CB	43P2K ⊕	2k	63001CB	43P200K ⊕	200k
41890CB	43P5K ⊕	5k	41953CB	43P500K ⊕	500k
41822CB	43P10K ⊕	10k	41806CB	43P1MEG ⊕	1M

We're Listening to Your Requests

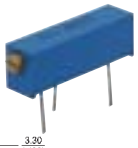
Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

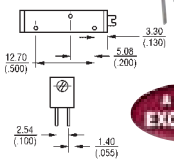
3/4-Watt, 3/4" Rectangular, 15-Turn Cermet Potentiometer Side Adjustment (±10%)

JAMECO ValuePro

3006P Series Value Equivalents



- Low PC board profile
- Temperature range: -55°C to 125°C
- Absolute minimum resistance: 1% or 2Ω
- Contact resistance variation: 1% or 1Ω maximum
- Power rating: 0.75W @ 70°C (400V maximum)



A Jameco EXCLUSIVE

Qty.	1	10	50	100
Price	$1.25	$1.15	$.99	$.89

Part No.	Cross Ref No.	Ohms
241234CB	3006P-101 ⊕	100
241242CB	3006P-201 ⊕	200
241251CB	3006P-501 ⊕	500
241269CB	3006P-102 ⊕	1k
241277CB	3006P-202 ⊕	2k
241285CB	3006P-502 ⊕	5k
241293CB	3006P-103 ⊕	10k
241306CB	3006P-203 ⊕	20k
241314CB	3006P-253 ⊕	25k
241322CB	3006P-503 ⊕	50k
241331CB	3006P-104 ⊕	100k
241349CB	3006P-204 ⊕	200k
241357CB	3006P-254 ⊕	250k
241365CB	3006P-504 ⊕	500k
241373CB	3006P-105 ⊕	1M

1/4-Watt, 1/4" Square Trimming Potentiometers, Top Adjustment (±10%)

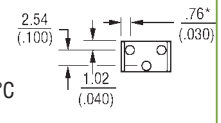
JAMECO ValuePro

3266W Series Value Equivalents



- Resistance tolerance: ±10%
- 12 turns nominal
- Insulation resistance: (500VDC) 1,000MΩ minimum
- Contact resistance variation: 3% or 3Ω maximum (whichever is greater)
- Absolute min. resistance: 1% or 2Ω maximum (whichever is greater)
- Power rating: 0.25W @ 70°C (300V maximum)

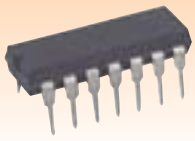
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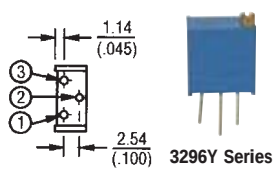
Qty.	1	10	50	100
Price	$2.29	$1.99	$1.93	$1.83

Part No.	Cross Ref No.	Ohms
254609CB	3266W-500 ⊕	50
254617CB	3266W-101 ⊕	100
254625CB	3266W-201 ⊕	200
254633CB	3266W-501 ⊕	500
254641CB	3266W-102 ⊕	1k
254650CB	3266W-202 ⊕	2k
254668CB	3266W-502 ⊕	5k
254676CB	3266W-103 ⊕	10k
254684CB	3266W-203 ⊕	20k
254692CB	3266W-253 ⊕	25k
254705CB	3266W-503 ⊕	50k
254713CB	3266W-104 ⊕	100k
254721CB	3266W-204 ⊕	200k
254730CB	3266W-504 ⊕	500k
254748CB	3266W-105 ⊕	1M

See page 43 for Digital Potentiometers.



1/2-Watt, 3/8" Square, Multi-Turn Trimming Potentiometers, Top Adjustment (±10%)



3296Y, 3299W, and 3299Y Series

- Resistance tolerance: ±10%
- Insulation resistance: (500VDC) 1000MΩ min.
- Absolute minimum resistance: 1% or 2Ω max.
- 25 turns nominal
- Contact resistance variation: 1% or 3Ω max.
- Power rating: 0.5W @ 70°C (300V max.)

Attention Budget-Minded Buyers!

Jameco now offers high-quality Bourns® equivalents below, and they're priced to save you money. You'll get consistent form, fit and function, without paying the added surcharge for brand name components.

A Jameco EXCLUSIVE

Bourns® Potentiometers

Jameco now offers a broad selection of industry-renowned Bourns multi-turn potentiometers below. They're ideal for integration into devices requiring high-precision pots.

JAMECO ValuePro 3296Y – Y Layout Solder Pins

Qty.	1	10	50	100
Price	$1.69	$1.56	$1.42	$1.28

Part No.	Cross Ref No.	Ohms
240696CB	3296Y-100 ⊕	10
240709CB	3296Y-200 ⊕	20
240717CB	3296Y-500 ⊕	50
240725CB	3296Y-101 ⊕	100
240733CB	3296Y-201 ⊕	200
240741CB	3296Y-501 ⊕	500
240750CB	3296Y-102 ⊕	1k
240768CB	3296Y-202 ⊕	2k
240776CB	3296Y-502 ⊕	5k
240784CB	3296Y-103 ⊕	10k
240792CB	3296Y-203 ⊕	20k
240805CB	3296Y-253 ⊕	25k
240813CB	3296Y-503 ⊕	50k
240821CB	3296Y-104 ⊕	100k
240830CB	3296Y-254 ⊕	250k
240848CB	3296Y-504 ⊕	500k
240856CB	3296Y-105 ⊕	1M
240864CB	3296Y-205 ⊕	2M

JAMECO ValuePro 3299W – In-Line Solder Pins

Qty.	1	10	50	100
Price	$1.99	$1.82	$1.53	$1.35

Part No.	Cross Ref No.	Ohms
241058CB	3299W-100 ⊕	10
241066CB	3299W-200 ⊕	20
241074CB	3299W-500 ⊕	50
241082CB	3299W-101 ⊕	100
241091CB	3299W-201 ⊕	200
241103CB	3299W-501 ⊕	500
241111CB	3299W-102 ⊕	1k
241120CB	3299W-202 ⊕	2k
241138CB	3299W-502 ⊕	5k
241146CB	3299W-103 ⊕	10k
241154CB	3299W-203 ⊕	20k
241162CB	3299W-253 ⊕	25k
241171CB	3299W-503 ⊕	50k
241189CB	3299W-104 ⊕	100k
241197CB	3299W-254 ⊕	250k
241200CB	3299W-504 ⊕	500k
241218CB	3299W-105 ⊕	1M
241226CB	3299W-205 ⊕	2M

JAMECO ValuePro 3299Y – Y Layout Solder Pins

Qty.	1	10	50	100
Price	$1.99	$1.82	$1.53	$1.35

Part No.	Cross Ref No.	Ohms
240872CB	3299Y-100 ⊕	10
240881CB	3299Y-200 ⊕	20
240899CB	3299Y-500 ⊕	50
240901CB	3299Y-101 ⊕	100
240910CB	3299Y-201 ⊕	200
191417CB	3299Y-501	500
191396CB	3299Y-102 ⊕	1k
240944CB	3299Y-202 ⊕	2k
191425CB	3299Y-502 ⊕	5k
240961CB	3299Y-103 ⊕	10k
240979CB	3299Y-203 ⊕	20k
240987CB	3299Y-253 ⊕	25k
240995CB	3299Y-503 ⊕	50k
191409CB	3299Y-104 ⊕	100k
241015CB	3299Y-254 ⊕	250k
241023CB	3299Y-504 ⊕	500k
241031CB	3299Y-105 ⊕	1M
241040CB	3299Y-205 ⊕	2M

BOURNS 3296Y – Y Layout Solder Pins

Qty.	1	10	50	100
Price	$1.99	$1.85	$1.66	$1.49

Part No.	Product No.	Ohms
240338CB	3296Y-1-100 ⊕	10
240346CB	3296Y-1-200 ⊕	20
240354CB	3296Y-1-500 ⊕	50
240362CB	3296Y-1-101 ⊕	100
240371CB	3296Y-1-201 ⊕	200
240389CB	3296Y-1-501 ⊕	500
240397CB	3296Y-1-102 ⊕	1k
240400CB	3296Y-1-202 ⊕	2k
240418CB	3296Y-1-502 ⊕	5k
240426CB	3296Y-1-103 ⊕	10k
240434CB	3296Y-1-203 ⊕	20k
240442CB	3296Y-1-253 ⊕	25k
240451CB	3296Y-1-503 ⊕	50k
240469CB	3296Y-1-104 ⊕	100k
240477CB	3296Y-1-254 ⊕	250k
240485CB	3296Y-1-504 ⊕	500k
240493CB	3296Y-1-105 ⊕	1M
240506CB	3296Y-1-205 ⊕	2M

BOURNS 3299W – In-Line Solder Pins

Qty.	1	10	50	100
Price	$2.39	$2.25	$1.99	$1.79

Part No.	Product No.	Ohms
238553CB	3299W-1-100 ⊕	10
238561CB	3299W-1-200 ⊕	20
238570CB	3299W-1-500 ⊕	50
238588CB	3299W-1-101 ⊕	100
238596CB	3299W-1-201 ⊕	200
238609CB	3299W-1-501 ⊕	500
183556CB	3299W-1-102 ⊕	1k
238617CB	3299W-1-202 ⊕	2k
238625CB	3299W-1-502 ⊕	5k
183564CB	3299W-1-103	10k
238633CB	3299W-1-203 ⊕	20k
238641CB	3299W-1-253 ⊕	25k
238650CB	3299W-1-503 ⊕	50k
183572CB	3299W-1-104 ⊕	100k
238668CB	3299W-1-254 ⊕	250k
238676CB	3299W-1-504 ⊕	500k
238684CB	3299W-1-105 ⊕	1M
238692CB	3299W-1-205 ⊕	2M

BOURNS 3299Y – Y Layout Solder Pins

Qty.	1	10	50	100
Price	$2.39	$2.19	$1.79	$1.59

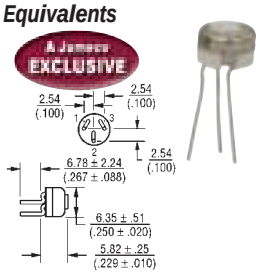
Part No.	Product No.	Ohms
240514CB	3299Y-1-100 ⊕	10
240522CB	3299Y-1-200 ⊕	20
240531CB	3299Y-1-500 ⊕	50
240549CB	3299Y-1-101 ⊕	100
240557CB	3299Y-1-201 ⊕	200
240565CB	3299Y-1-501 ⊕	500
240573CB	3299Y-1-102 ⊕	1k
240581CB	3299Y-1-202 ⊕	2k
240590CB	3299Y-1-502 ⊕	5k
240602CB	3299Y-1-103 ⊕	10k
240611CB	3299Y-1-203 ⊕	20k
240629CB	3299Y-1-253 ⊕	25k
240637CB	3299Y-1-503 ⊕	50k
240645CB	3299Y-1-104 ⊕	100k
240653CB	3299Y-1-254 ⊕	250k
240661CB	3299Y-1-504 ⊕	500k
240670CB	3299Y-1-105 ⊕	1M
240688CB	3299Y-1-205 ⊕	2M

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

1/2-Watt, 1/4" Round, Cermet Potentiometers Top Adjustment (±10%)

3329P Series Value Equivalents

- Sealed to withstand wave soldering and immersion cleaning process
- Extended temperature range: -55°C to +150°C
- TO-5 grid
- Terminals: solderable pins



Qty.	1	10	50	100
Price	$1.69	$1.53	$1.29	$1.21

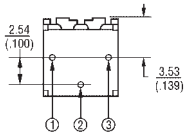
Part No.	Cross Ref No.	Ohms
254457CB	3329P-500	50
254465CB	3329P-101	100
254473CB	3329P-201	200
254481CB	3329P-501	500
254490CB	3329P-102	1k
254502CB	3329P-202	2k
254511CB	3329P-502	5k
254529CB	3329P-103	10k
254537CB	3329P-203	20k
254545CB	3329P-253	25k
254553CB	3329P-503	50k
254561CB	3329P-104	100k
254570CB	3329P-204	200k
254588CB	3329P-504	500k
254596CB	3329P-105	1M

1/2-Watt, 1/4" Square, Single-Turn Cermet Potentiometers Top Adjustment (±10%)

3362P Series Value Equivalents

- Resistance tolerance: ±10%
- Insulation resistance: (500VDC) 1,000MΩ
- Absolute minimum resistance: 1% or 2Ω (whichever is greater)
- Contact resistance variation: 1% or 3Ω maximum (whichever is greater)
- Power rating: 0.5W @ 70°C (300V max.)





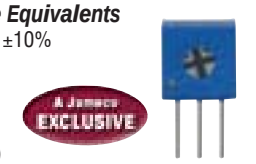
Qty.	1	10	50	100
Price	$.59	$.55	$.45	$.42

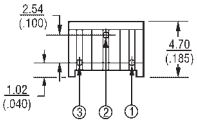
Part No.	Cross Ref No.	Ohms
253964CB	3362P-101	100
253972CB	3362P-201	200
254078CB	3362P-501	500
253981CB	3362P-102	1k
253999CB	3362P-202	2k
254086CB	3362P-502	5k
254094CB	3362P-103	10k
254001CB	3362P-203	20k
254019CB	3362P-253	25k
254027CB	3362P-503	50k
254035CB	3362P-104	100k
254107CB	3362P-204	200k
254043CB	3362P-504	500k
254115CB	3362P-105	1M

1/2-Watt, 1/4" Square, Single-Turn Cermet Potentiometers Side Adjustment (±10%)

3362W Series Value Equivalents

- Resistance tolerance: ±10%
- Insulation resistance: (500VDC) 1,000MΩ
- Absolute minimum resistance: 1% or 2Ω (whichever is greater)
- Contact resistance variation: 1% or 3Ω maximum (whichever is greater)
- Power rating: 0.5W @ 70°C (300V max.)





Qty.	1	10	50	100
Price	$.59	$.54	$.45	$.41

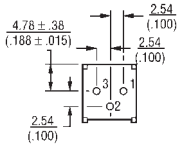
Part No.	Cross Ref No.	Ohms
254140CB	3362W-101	100
254158CB	3362W-201	200
254166CB	3362W-501	500
254174CB	3362W-102	1k
254182CB	3362W-202	2k
254191CB	3362W-502	5k
254203CB	3362W-103	10k
254211CB	3362W-203	20k
254220CB	3362W-253	25k
254238CB	3362W-503	50k
254246CB	3362W-104	100k
254254CB	3362W-204	200k
254262CB	3362W-504	500k
254271CB	3362W-105	1M

1/2-Watt, 3/8" Square, Single-Turn Trimming Potentiometers Top Adjustment (±10%)

3386P Series Value Equivalents

- Resistance tolerance: ±10%
- Absolute minimum resistance: 2Ω maximum
- Insulation resistance: (500VDC) 1,000MΩ minimum
- Contact resistance variation: 2% or 3Ω maximum (whichever is greater)
- Power rating: 0.5W @ 85°C (300V maximum)





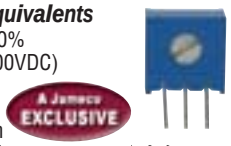
Qty.	1	10	50	100
Price	$.85	$.76	$.67	$.64

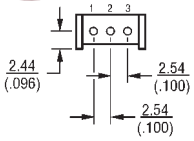
Part No.	Cross Ref No.	Ohms
254289CB	3386P-500	50
254297CB	3386P-101	100
254300CB	3386P-201	200
254318CB	3386P-501	500
254326CB	3386P-102	1k
254334CB	3386P-202	2k
254342CB	3386P-502	5k
254351CB	3386P-103	10k
254369CB	3386P-203	20k
254377CB	3386P-253	25k
254385CB	3386P-503	50k
254393CB	3386P-104	100k
254406CB	3386P-204	200k
254414CB	3386P-254	250k
254422CB	3386P-504	500k
254431CB	3386P-105	1M
254449CB	3386P-205	2M

1/2-Watt, 3/8" Square, Single-Turn Trimming Potentiometers Side Adjustment (±10%)

3386W Series Value Equivalents

- Resistance tolerance: ±10%
- Insulation resistance: (500VDC) 1,000MΩ minimum
- Absolute minimum resistance: 2Ω maximum
- Contact resistance variation: 2% or 3Ω maximum (whichever is greater)
- Adjustment angle: 280° nominal





Qty.	1	10	50	100
Price	$.89	$.79	$.69	$.65

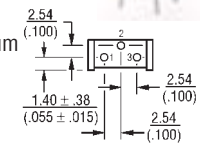
Part No.	Cross Ref No.	Ohms
241381CB	3386W-500	50
241390CB	3386W-101	100
241402CB	3386W-201	200
241411CB	3386W-501	500
241429CB	3386W-102	1k
241437CB	3386W-202	2k
241445CB	3386W-502	5k
241453CB	3386W-103	10k
241461CB	3386W-203	20k
241470CB	3386W-253	25k
241488CB	3386W-503	50k
241496CB	3386W-104	100k
241509CB	3386W-204	200k
241517CB	3386W-254	250k
241525CB	3386W-504	500k
241533CB	3386W-105	1M
241541CB	3386W-205	2M

1/2-Watt, 3/8" Square, Single-Turn Trimming Potentiometers Side Adjustment (±10%)

3386X Series Value Equivalents

- Resistance tolerance: ±10%
- Insulation resistance: (500VDC) 1,000MΩ min.
- Absolute minimum resistance: 2Ω maximum
- Contact resistance variation: 2% or 3Ω maximum (whichever is greater)
- Power rating: 0.5W @ 85°C (300V max.)





Qty.	1	10	50	100
Price	$.85	$.76	$.67	$.64

Part No.	Cross Ref No.	Ohms
264604CB	3386X-500	50
264612CB	3386X-101	100
264621CB	3386X-201	200
264639CB	3386X-501	500
264647CB	3386X-102	1k
264655CB	3386X-202	2k
264663CB	3386X-502	5k
264671CB	3386X-103	10k
264680CB	3386X-203	20k
264698CB	3386X-253	25k
264701CB	3386X-503	50k
264719CB	3386X-104	100k
264727CB	3386X-204	200k
264735CB	3386X-254	250k
264743CB	3386X-504	500k
264751CB	3386X-105	1M
264760CB	3386X-205	2M

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



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- V = vertical mount; H = horizontal mount
- See technical datasheets on www.Jameco.com for complete specifications



Horizontal Vertical

2100 Series Equivalents

Part No.	Cross Ref. No.	L (µH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing 1	10	100
371741CB	2101-V ⊕	10.0	10.8	0.006	0.34	0.053	$1.69	$1.03	$.74
371506CB	2101-H ⊕	10.0	10.8	0.006	0.77	0.053	1.69	1.03	.74
371750CB	2102-V ⊕	12.0	10.3	0.007	0.34	0.053	1.69	1.04	.74
371514CB	2102-H ⊕	12.0	10.3	0.007	0.77	0.053	1.69	1.04	.74
371768CB	2103-V ⊕	15.0	7.7	0.012	0.33	0.042	1.69	1.04	.74
371522CB	2103-H ⊕	15.0	7.7	0.012	0.76	0.042	1.69	1.04	.74
371776CB	2104-V ⊕	18.0	7.4	0.013	0.33	0.042	1.69	1.04	.74
371531CB	2104-H ⊕	18.0	7.4	0.013	0.76	0.042	1.69	1.04	.74
371784CB	2105-V ⊕	22.0	7.0	0.015	0.33	0.042	1.69	1.04	.74
371549CB	2105-H ⊕	22.0	7.0	0.015	0.76	0.042	1.69	1.04	.74
371792CB	2106-V ⊕	27.0	5.3	0.026	0.32	0.034	1.69	1.04	.74
371557CB	2106-H ⊕	27.0	5.3	0.026	0.75	0.034	1.69	1.04	.74
371805CB	2107-V ⊕	33.0	5.0	0.029	0.32	0.034	1.69	1.04	.74
371565CB	2107-H ⊕	33.0	5.0	0.029	0.75	0.034	1.69	1.04	.74
371813CB	2108-V ⊕	39.0	4.8	0.032	0.32	0.034	1.69	1.04	.74
371573CB	2108-H ⊕	39.0	4.8	0.032	0.75	0.034	1.69	1.04	.74
371821CB	2109-V ⊕	47.0	3.6	0.055	0.31	0.027	1.69	1.04	.74
371581CB	2109-H ⊕	47.0	3.6	0.055	0.75	0.027	1.69	1.04	.74
371830CB	2110-V ⊕	56.0	3.4	0.060	0.31	0.027	1.69	1.04	.74
371590CB	2110-H ⊕	56.0	3.4	0.060	0.75	0.027	1.69	1.04	.74
371848CB	2111-V ⊕	68.0	3.3	0.067	0.31	0.027	1.69	1.04	.74
371602CB	2111-H ⊕	68.0	3.3	0.067	0.75	0.027	1.69	1.04	.74
371856CB	2112-V ⊕	100.0	2.4	0.13	0.31	0.022	1.69	1.04	.74
371611CB	2112-H ⊕	100.0	2.4	0.13	0.74	0.022	1.69	1.04	.74
371864CB	2113-V ⊕	120.0	2.2	0.15	0.31	0.022	1.69	1.04	.74
371629CB	2113-H ⊕	120.0	2.2	0.15	0.74	0.022	1.69	1.04	.74
371872CB	2114-V ⊕	150.0	3.4	0.062	0.35	0.034	1.69	1.04	.74
371637CB	2114-H ⊕	150.0	3.4	0.062	0.79	0.034	1.69	1.04	.74
371881CB	2115-V ⊕	180.0	2.6	0.11	0.34	0.027	1.69	1.04	.74
371645CB	2115-H ⊕	180.0	2.6	0.11	0.77	0.027	1.69	1.04	.74
371899CB	2116-V ⊕	220.0	2.4	0.12	0.34	0.027	1.69	1.04	.74
371653CB	2116-H ⊕	220.0	2.4	0.12	0.77	0.027	1.69	1.04	.74
371901CB	2117-V ⊕	270.0	1.8	0.21	0.33	0.022	1.89	1.17	.84
371661CB	2117-H ⊕	270.0	1.8	0.21	0.76	0.022	1.89	1.17	.84
371910CB	2118-V ⊕	330.0	1.7	0.23	0.33	0.022	1.89	1.17	.84
371670CB	2118-H ⊕	330.0	1.7	0.23	0.76	0.022	1.89	1.17	.84
371928CB	2119-V ⊕	390.0	1.7	0.25	0.33	0.022	1.89	1.17	.84
371688CB	2119-H ⊕	390.0	1.7	0.25	0.76	0.022	1.89	1.17	.84
371936CB	2120-V ⊕	470.0	1.6	0.28	0.35	0.022	1.89	1.17	.84
371696CB	2120-H ⊕	470.0	1.6	0.28	0.76	0.022	1.89	1.17	.84
371944CB	2121-V ⊕	560.0	1.5	0.30	0.35	0.022	1.89	1.17	.84
371709CB	2121-H ⊕	560.0	1.5	0.30	0.79	0.022	1.89	1.17	.84
371952CB	2122-V ⊕	680.0	1.4	0.33	0.35	0.022	1.89	1.17	.84
371717CB	2122-H ⊕	680.0	1.4	0.33	0.79	0.022	1.89	1.17	.84
371961CB	2123-V ⊕	820.0	1.4	0.37	0.35	0.022	1.89	1.17	.84
371725CB	2123-H ⊕	820.0	1.4	0.37	0.79	0.022	1.89	1.17	.84
371979CB	2124-V ⊕	1000.0	1.3	0.40	0.37	0.022	1.89	1.17	.84
371733CB	2124-H ⊕	1000.0	1.3	0.40	0.81	0.022	1.89	1.17	.84

2200 Series Equivalents

Part No.	Cross Ref. No.	L (µH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing 1	10	100
371266CB	2201-V ⊕	10.0	12.5	0.007	0.46	0.053	$2.15	$1.31	$.93
371021CB	2201-H ⊕	10.0	12.5	0.007	0.88	0.053	2.15	1.31	.93
371274CB	2202-V ⊕	12.0	12.0	0.008	0.46	0.053	2.15	1.31	.93
371039CB	2202-H ⊕	12.0	12.0	0.008	0.88	0.053	2.15	1.31	.93
371282CB	2203-V ⊕	15.0	11.3	0.008	0.46	0.053	2.15	1.31	.93
371047CB	2203-H ⊕	15.0	11.3	0.008	0.88	0.053	2.15	1.31	.93
371291CB	2204-V ⊕	18.0	10.8	0.009	0.46	0.053	2.15	1.31	.93
371055CB	2204-H ⊕	18.0	10.8	0.009	0.88	0.053	2.15	1.31	.93
371303CB	2205-V ⊕	22.0	10.3	0.010	0.46	0.053	2.15	1.31	.93
371063CB	2205-H ⊕	22.0	10.3	0.010	0.88	0.053	2.15	1.31	.93

2200 Series Equivalents (Continued)

Part No.	Cross Ref. No.	L (µH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing 1	10	100
371311CB	2206-V ⊕	27.0	9.8	0.011	0.46	0.053	$2.15	$1.31	$.93
371071CB	2206-H ⊕	27.0	9.8	0.011	0.88	0.053	2.15	1.31	.93
371320CB	2207-V ⊕	33.0	7.4	0.020	0.45	0.042	2.15	1.31	.93
371080CB	2207-H ⊕	33.0	7.4	0.020	0.87	0.042	2.15	1.31	.93
371338CB	2208-V ⊕	39.0	7.1	0.022	0.45	0.042	2.15	1.31	.93
371098CB	2208-H ⊕	39.0	7.1	0.022	0.87	0.042	2.15	1.31	.93
371346CB	2209-V ⊕	47.0	6.7	0.024	0.45	0.042	2.15	1.31	.93
371101CB	2209-H ⊕	47.0	6.7	0.024	0.87	0.042	2.15	1.31	.93
371354CB	2210-V ⊕	56.0	6.4	0.026	0.45	0.042	2.15	1.31	.93
371119CB	2210-H ⊕	56.0	6.4	0.026	0.87	0.042	2.15	1.31	.93
371362CB	2211-V ⊕	68.0	4.9	0.046	0.44	0.034	2.15	1.31	.93
371127CB	2211-H ⊕	68.0	4.9	0.046	0.86	0.034	2.15	1.31	.93
371371CB	2212-V ⊕	100.0	4.4	0.056	0.44	0.034	2.15	1.31	.93
371135CB	2212-H ⊕	100.0	4.4	0.056	0.86	0.034	2.15	1.31	.93
371389CB	2213-V ⊕	120.0	3.3	0.098	0.44	0.027	2.15	1.31	.93
371143CB	2213-H ⊕	120.0	3.3	0.098	0.86	0.027	2.15	1.31	.93
371397CB	2214-V ⊕	150.0	3.1	0.11	0.44	0.027	2.15	1.31	.93
371151CB	2214-H ⊕	150.0	3.1	0.11	0.86	0.027	2.15	1.31	.93
371400CB	2215-V ⊕	180.0	3.8	0.075	0.48	0.034	2.15	1.31	.93
371160CB	2215-H ⊕	180.0	3.8	0.075	0.90	0.034	2.15	1.31	.93
371418CB	2216-V ⊕	220.0	3.6	0.083	0.48	0.034	2.15	1.31	.93
371178CB	2216-H ⊕	220.0	3.6	0.083	0.90	0.034	2.15	1.31	.93
371426CB	2217-V ⊕	270.0	3.4	0.092	0.48	0.034	2.35	1.45	1.03
371186CB	2217-H ⊕	270.0	3.4	0.092	0.90	0.034	2.35	1.45	1.03
371434CB	2218-V ⊕	330.0	3.3	0.10	0.48	0.034	2.35	1.45	1.03
371194CB	2218-H ⊕	330.0	3.3	0.10	0.90	0.034	2.35	1.45	1.03
371442CB	2219-V ⊕	390.0	2.5	0.18	0.46	0.027	2.35	1.45	1.03
371207CB	2219-H ⊕	390.0	2.5	0.18	0.88	0.027	2.35	1.45	1.03
371451CB	2220-V ⊕	470.0	2.3	0.19	0.46	0.027	2.35	1.45	1.03
371215CB	2220-H ⊕	470.0	2.3	0.19	0.88	0.027	2.35	1.45	1.03
371469CB	2221-V ⊕	560.0	2.2	0.21	0.46	0.027	2.35	1.45	1.03
371223CB	2221-H ⊕	560.0	2.2	0.21	0.88	0.027	2.35	1.45	1.03
371477CB	2222-V ⊕	680.0	2.1	0.23	0.49	0.027	2.35	1.45	1.03
371231CB	2222-H ⊕	680.0	2.1	0.23	0.91	0.027	2.35	1.45	1.03
371485CB	2223-V ⊕	820.0	2.0	0.26	0.49	0.027	2.35	1.45	1.03
371240CB	2223-H ⊕	820.0	2.0	0.26	0.91	0.027	2.35	1.45	1.03
371493CB	2224-V ⊕	1000.0	1.9	0.28	0.49	0.027	2.35	1.45	1.03
371258CB	2224-H ⊕	1000.0	1.9	0.28	0.91	0.027	2.35	1.45	1.03

2300 Series Equivalents

Part No.	Cross Ref. No.	L (µH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing 1	10	100
386901CB	2301-V ⊕	10.0	20.0	0.005	0.56	0.066	$2.19	$1.49	$1.13
386361CB	2301-H ⊕	10.0	20.0	0.005	1.18	0.066	2.19	1.49	1.13
386935CB	2302-V ⊕	12.0	19.1	0.005	0.56	0.066	2.19	1.49	1.13
386396CB	2302-H ⊕	12.0	19.1	0.005	1.18	0.066	2.19	1.49	1.13
386951CB	2303-V ⊕	15.0	18.0	0.006	0.56	0.066	2.19	1.49	1.13
386425CB	2303-H ⊕	15.0	18.0	0.006	1.18	0.066	2.19	1.49	1.13
386978CB	2304-V ⊕	18.0	17.2	0.006	0.56	0.066	2.19	1.49	1.13
386441CB	2304-H ⊕	18.0	17.2	0.006	1.18	0.066	2.19	1.49	1.13
387006CB	2305-V ⊕	22.0	16.4	0.007	0.56	0.066	2.19	1.49	1.13
386468CB	2305-H ⊕	22.0	16.4	0.007	1.18	0.066	2.19	1.49	1.13
387022CB	2306-V ⊕	27.0	15.6	0.008	0.56	0.066	2.19	1.49	1.13
386484CB	2306-H ⊕	27.0	15.6	0.008	1.18	0.066	2.19	1.49	1.13
387049CB	2307-V ⊕	33.0	11.7	0.013	0.53	0.053	2.19	1.49	1.13
386505CB	2307-H ⊕	33.0	11.7	0.013	1.14	0.053	2.19	1.49	1.13
387065CB	2308-V ⊕	39.0	11.2	0.014	0.53	0.053	2.19	1.49	1.13
386521CB	2308-H ⊕	39.0	11.2	0.014	1.14	0.053	2.19	1.49	1.13
387090CB	2309-V ⊕	47.0	10.7	0.016	0.53	0.053	2.19	1.49	1.13
386548CB	2309-H ⊕	47.0	10.7	0.016	1.14	0.053	2.19	1.49	1.13
387111CB	2310-V ⊕	56.0	10.2	0.017	0.53	0.053	2.19	1.49	1.13
386564CB	2310-H ⊕	56.0	10.2	0.017	1.14	0.053	2.19	1.49	1.13
387137CB	2311-V ⊕	68.0	7.7	0.030	0.52	0.042	2.19	1.49	1.13
386581CB	2311-H ⊕	68.0	7.7	0.030	1.13	0.042	2.19	1.49	1.13
387161CB	2312-V ⊕	100.0	7.0	0.037	0.52	0.042	2.19	1.49	1.13
386601CB	2312-H ⊕	100.0	7.0	0.037	1.13	0.042	2.19	1.49	1.13
387188CB	2313-V ⊕	120.0	6.7	0.040	0.52	0.042	2.19	1.49	1.13
386636CB	2313-H ⊕	120.0	6.7	0.040	1.13	0.042	2.19	1.49	1.13
387209CB	2314-V ⊕	150.0	5.0	0.071	0.51	0.034	2.19	1.49	1.13

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

JAMECO ValuePro High Current Toroid Inductors (Continued)

2300 Series Equivalents

Part No.	Cross Ref. No.	L (µH) @ 1KHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing 1	10	100
386652CB	2314-H ⊕	150.0	5.0	0.071	1.12	0.034	$2.19	$1.49	$1.13
387233CB	2315-V ⊕	180.0	4.8	0.078	0.51	0.034	2.19	1.49	1.13
386679CB	2315-H ⊕	180.0	4.8	0.078	1.12	0.034	2.19	1.49	1.13
387268CB	2316-V ⊕	220.0	5.8	0.054	0.56	0.042	2.19	1.49	1.13
386695CB	2316-H ⊕	220.0	5.8	0.054	1.17	0.042	2.19	1.49	1.13
387284CB	2317-V ⊕	270.0	5.5	0.060	0.56	0.042	2.19	1.49	1.13
386724CB	2317-H ⊕	270.0	5.5	0.060	1.17	0.042	2.19	1.49	1.13
387313CB	2318-V ⊕	330.0	5.2	0.067	0.56	0.042	2.19	1.49	1.13
386741CB	2318-H ⊕	330.0	5.2	0.067	1.17	0.042	2.19	1.49	1.13
387330CB	2319-V ⊕	390.0	5.0	0.072	0.56	0.042	2.19	1.49	1.13
386767CB	2319-H ⊕	390.0	5.0	0.072	1.17	0.042	2.19	1.49	1.13

Part No.	Cross Ref. No.	L (µH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing 1	10	100
387364CB	2320-V ⊕	470.0	3.8	0.13	0.54	0.034	$2.19	$1.49	$1.13
386783CB	2320-H ⊕	470.0	3.8	0.13	1.16	0.034	2.19	1.49	1.13
387381CB	2321-V ⊕	560.0	3.6	0.14	0.54	0.034	2.19	1.49	1.13
386812CB	2321-H ⊕	560.0	3.6	0.14	1.16	0.034	2.19	1.49	1.13
387410CB	2322-V ⊕	680.0	3.4	0.15	0.54	0.034	2.19	1.49	1.13
386839CB	2322-H ⊕	680.0	3.4	0.15	1.16	0.034	2.19	1.49	1.13
387436CB	2323-V ⊕	820.0	2.6	0.27	0.53	0.027	2.19	1.49	1.13
386855CB	2323-H ⊕	820.0	2.6	0.27	1.14	0.027	2.19	1.49	1.13
388041CB	2324-V ⊕	1000.0	2.4	0.30	0.53	0.027	2.19	1.49	1.13
386880CB	2324-H ⊕	1000.0	2.4	0.30	1.14	0.027	2.19	1.49	1.13

JAMECO ValuePro Epoxy Conformal Coated RF Chokes

77F Series Equivalents



- High current and self-resonant frequency
- Low DCR • Low cost • Color bands identification
- Dielectric strength: 550Vrms
- Operating temp.: -55°C to +105°C
- Overall length: 2.41" • Lead length: 1.0"
- Body length: 0.41" • Body diameter: 0.157"

Part No.	Cross Ref. No.	L ±10% (µH)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Pricing 1	10	100
371995CB	77F6R8 ⊕	6.8	68.0	0.48	550	$.43	$.39	$.32
372007CB	77F100 ⊕	10.0	45.0	0.58	500	.43	.39	.32
372015CB	77F270 ⊕	27.0	7.6	0.94	390	.43	.39	.32
372023CB	77F330* ⊕	33.0	6.3	1.03	370	.43	.39	.32
372031CB	77F470* ⊕	47.0	6.3	1.22	340	.43	.39	.32
372040CB	77F820* ⊕	82.0	5.3	1.62	290	.43	.39	.32
372058CB	77F101* ⊕	100.0	4.8	1.80	275	.43	.39	.32
372066CB	77F221* ⊕	220.0	3.0	5.10	155	.43	.39	.32
372074CB	77F331* ⊕	330.0	2.6	6.40	137	.43	.39	.32
372082CB	77F391* ⊕	390.0	2.4	7.00	133	.43	.39	.32
372091CB	77F102* ⊕	1000.0	1.4	14.0	100	.43	.39	.32

* L (µH) ±5%

78F Series Equivalents



- High Q and self-resonant frequency
- Low DCR • Low cost • Color bands identification
- Dielectric strength: 500Vrms
- Operating temp.: -55°C to +105°C
- Overall length: 2.28" • Lead length: 1.0"
- Body length: 0.28" • Body diameter: 0.11"

Part No.	Cross Ref. No.	L ±10% (µH)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Pricing 1	10	100
372103CB	78FR68 ⊕	0.68	250	0.12	495	$.42	$.26	$.173
372111CB	78F1R0 ⊕	1.0	180	0.15	385	.42	.26	.173
372120CB	78F1R8 ⊕	1.8	125	0.25	455	.42	.26	.173
372138CB	78F2R7 ⊕	2.7	95	0.30	355	.42	.26	.173
372146CB	78F3R3* ⊕	3.3	70	0.34	270	.42	.26	.173
372154CB	78F4R7* ⊕	4.7	50	0.35	230	.42	.26	.173
372162CB	78F8R2* ⊕	8.2	28	0.55	155	.42	.26	.173
372171CB	78F100* ⊕	10.0	22	0.72	130	.42	.26	.173
372189CB	78F120* ⊕	12.0	20	0.80	155	.42	.26	.173
372197CB	78F220* ⊕	22.0	13	1.20	140	.42	.26	.173
372200CB	78F270* ⊕	27.0	11	1.35	135	.42	.26	.173
372218CB	78F330* ⊕	33.0	10	1.50	195	.42	.26	.173
372226CB	78F390* ⊕	39.0	9.5	1.70	185	.42	.26	.173
372234CB	78F470* ⊕	47.0	8.5	2.30	167	.42	.26	.173
372242CB	78F101* ⊕	100.0	5.5	3.50	125	.42	.26	.173
372251CB	78F121* ⊕	120.0	5.4	3.80	100	.42	.26	.173
372269CB	78F221* ⊕	220.0	4.0	5.70	76	.42	.26	.173
372277CB	78F471* ⊕	470.0	2.5	11.6	53	.42	.26	.173

* L (µH) ±5%

JAMECO ValuePro Molded RF Chokes



9230 Series Equivalents



- High Q and high reliability • Miniature size
- Injection molded to protect coil from extreme environment
- Color bands or numerical marking for identification
- Dielectric strength: 1000Vrms
- Operating temp.: phenolic -55°C to +125°C, iron/ferrite -55°C to +105°C
- Overall length: 2.25" • Lead length: 1.0"
- Body length: 0.25" • Body diameter: 0.095"

Part No.	Cross Ref. No.	L ±10% (µH)	SRF (MHz) (min.)	DCR Max. (Ω)	I (mA) Max.	Core Material	Pricing 1	10	100
372285CB	9230-94 ⊕	0.10	690	0.07	1100	Phenolic	$.84	$.55	$.37
372293CB	9230-00 ⊕	0.15	600	0.10	1100	Phenolic	.65	.41	.29
372306CB	9230-04 ⊕	0.22	510	0.14	935	Phenolic	.81	.51	.33
372314CB	9230-10 ⊕	0.39	380	0.30	640	Phenolic	.82	.51	.33
372322CB	9230-12 ⊕	0.47	340	0.35	590	Phenolic	.81	.51	.33
372331CB	9230-14 ⊕	0.56	300	0.50	495	Phenolic	.84	.76	.62
372349CB	9230-16 ⊕	0.68	275	0.60	450	Phenolic	.81	.51	.33
372357CB	9230-20 ⊕	1.0	230	1.0	350	Phenolic	.81	.51	.33
372365CB	9230-32 ⊕	3.3	90	0.85	380	Iron	.88	.55	.40
372373CB	9230-34 ⊕	3.9	82	1.0	350	Iron	1.09	.98	.82
372381CB	9230-36 ⊕	4.7	75	1.2	320	Iron	.88	.55	.40
372390CB	9230-44 ⊕	10.0	50	3.7	180	Iron	1.01	.62	.45
372402CB	9230-52 ⊕	22.0	25	3.3	190	Iron	1.03	.63	.46
372411CB	9230-56 ⊕	33.0	24	3.4	187	Ferrite	1.09	.68	.48
372429CB	9230-64 ⊕	68.0	15	6.7	135	Ferrite	1.09	.68	.48
372437CB	9230-68 ⊕	100.0	13	8.0	125	Ferrite	1.19	.74	.53
372445CB	9230-70 ⊕	120.0	12	13.0	97	Ferrite	1.45	1.31	1.06

9250 Series Equivalents



- High Q and high reliability
- Ferrite magnetic shielded for low radiation
- Injection molded to protect coil from extreme environment
- Color bands or numerical marking for identification
- Dielectric strength: 1000Vrms
- Operating temp.: -55°C to +105°C

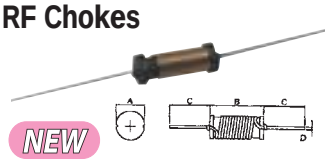
Part No.	Cross Ref. No.	L ±10% (µH)	SRF (MHz) (Min.)	DCR Max. (Ω)	I (mA) Max.	Core Material	Pricing 1	10	100
372453CB	9250-102 ⊕	1.0	140	0.07	1070	Iron	$1.59	$.97	$.68
372461CB	9250-222 ⊕	2.2	100	0.19	650	Iron	1.59	.97	.68
372470CB	9250-472 ⊕	4.7	70	0.55	380	Iron	1.59	.97	.68
372488CB	9250-103 ⊕	10.0	46	1.62	220	Iron	1.59	.97	.68
372496CB	9250-223 ⊕	22.0	41	0.96	290	Ferrite	1.59	.97	.68
372509CB	9250-473 ⊕	47.0	27	2.11	195	Ferrite	1.75	1.07	.75
372517CB	9250-104 ⊕	100.0	10	3.12	160	Ferrite	1.89	1.17	.82
372525CB	9250-224 ⊕	220.0	7.5	5.0	125	Ferrite	1.89	1.17	.82
372533CB	9250-474 ⊕	470.0	5.7	9.5	92	Ferrite	1.89	1.17	.82
372541CB	9250-105 ⊕	1000.0	3.8	17.5	70	Ferrite	1.89	1.17	.82
372550CB	9250-225 ⊕	2200.0	0.97	33.8	50	Ferrite	2.19	1.34	.94
372568CB	9250-106 ⊕	10,000.0	0.47	137	24	Ferrite	2.35	1.44	1.01

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Axial Leaded RF Chokes

JAMECO ValuePro

4600 Series Equivalents



- Inductive tolerance: 10%
- Operating temperature: -55˚C to +125˚C
- Size: A = 6.8mm max.; B = 19.0mm max. C = 25.0±2.0mm; D = 0.65±0.5mm

NEW

Part No.	Cross Ref. No.	L (µH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing 1	10	100
208063CB	4602 ⊕	1	60	190	0.05	2000	$.75	$.68	$.58
208071CB	4604 ⊕	1.5	58	149	0.093	1800	.75	.68	.52
208080CB	4606 ⊕	2.4	56	120	0.19	1500	.75	.68	.58
208098CB	4608 ⊕	3.9	60	93	0.45	1000	.75	.68	.58
208101CB	4609 ⊕	5.5	57	80	0.67	850	.75	.68	.58
208119CB	4610 ⊕	6.2	57	76	0.83	700	.75	.68	.58
208127CB	4611 ⊕	8.2	57	65	1.2	600	.75	.68	.58
208135CB	4612 ⊕	10	36	61	1.5	500	.75	.68	.58
642337CB	4624 ♻	15	62	33	0.17	1000	.75	.68	.58
642353CB	4629 ♻	55	72	17	1	500	.75	.68	.58
642388CB	4632 ♻	100	107	12	3	400	1.05	.95	.80

Hash RF Chokes

JAMECO ValuePro

5200 Series Equivalents



- Low cost
- Low DCR
- High current capacity
- Varnish coated
- Ideal for use as EMI filter, output choke, smoothing coil

NEW

Part No.	Cross Ref. No.	L ±10% (µH)	Res. Freq. Min. (MHz)	DCR Max. (Ω)	Current (mA)	Pricing 1	10	100
642396CB	5230 ♻	4	7.96	0.012	8.0	$1.49	$.92	$.66
642409CB	5240 ♻	40	1.0	0.082	3.0	1.49	.92	.66
642417CB	5254 ♻	250	1.0	0.17	2.5	1.55	1.23	.88
642425CB	5256 ♻	500	1.0	0.25	2.0	1.75	1.07	.75
642433CB	5258 ♻	1000	1.0	0.6	1.0	1.79	1.10	.77

Conformal Coated RF Chokes

JAMECO ValuePro

5300 Series Equivalents

NEW

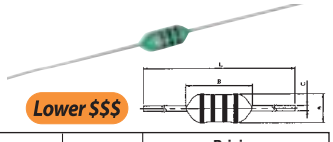
- High current and high self-resonant frequency
- Low DCR
- Low cost
- Epoxy coated to protect winding from harsh environments



Part No.	Cross Ref. No.	L ±10% (µH)	Res. Freq. Min. (MHz)	DCR Max. (Ω)	Current (mA)	Pricing 1	10	100
644332CB	5300-03 ♻	1.5	160.0	0.02	3100	$1.29	$1.16	$1.00
644341CB	5300-10 ♻	5.6	64.0	0.074	1600	1.29	1.16	1.00
644367CB	5300-13 ♻	10.0	25.0	0.095	1500	1.29	1.16	1.00
644375CB	5300-17 ♻	22.0	8.4	0.19	1000	1.29	1.16	1.00
642476CB	5300-19 ♻	33.0	7.6	0.24	910	1.29	1.16	1.00
642492CB	5300-25 ♻	100.0	3.9	0.67	550	1.29	1.16	1.00
642530CB	5300-33 ♻	470.0	1.4	3.4	240	1.29	1.16	.88

Epoxy Conformal Coated Chokes

- Operating temperature: -25°C to +85°C
- Tolerance: 5%
- Size: A = 3.2mm max. B = 7.0mm max. C = 0.48±0.5mm (except P/N 208143CB: 0.50±.05mm) D = 63±3mm



Lower $$$

Part No.	L (µH)	Q (min.)	Test. Freq (MHz)	Res. Freq Min. (MHz)	DCR Max. (Ω)	Max. DC Curr. (mA)	Pricing 1	10	100
208143CB	⊕ 10	60	7.96	28.7	1.56	670	$.49	$.45	$.39
208151CB	⊕ 27	50	2.52	10.2	2.39	410	.42	.34	.168
208160CB	⊕ 33	50	2.52	8.4	2.71	380	.49	.45	.338
208178CB	⊕ 47	50	2.52	6.9	3.3	330	.42	.341	.173
208186CB	⊕ 82	45	2.52	5.4	4.62	240	.42	.341	.173
208194CB	⊕ 100	45	2.52	5.0	4.98	240	.49	.45	.39
208207CB	⊕ 220	45	0.796	3.3	9.23	180	.42	.341	.173
208215CB	⊕ 330	45	0.796	2.7	13.2	140	.42	.341	.173
208223CB	⊕ 470	45	0.796	2.2	21.4	120	.42	.341	.173
208231CB	⊕ 820	45	0.796	1.7	28.4	90	.42	.341	.173
208240CB	⊕ 1000	45	0.796	1.5	31.3	80	.49	.45	.39

High Current Axial RF Chokes

JAMECO ValuePro

- High current capacity
- Low DCR
- Ferrite bobbin core
- Test frequency: 1kHz



NEW

5800 Series Equivalents

Part No.	Cross Ref. No.	L ±10% (µH)	DCR Max. (Ω)	DC Current Max. (A)	Pricing 1	10	100
642548CB	5800-3R9 ♻	3.9	0.019	1.28	$1.19	$.72	$.51
642556CB	5800-8R2 ♻	8.2	0.028	1.28	1.19	.72	.51
642564CB	5800-100 ♻	10	0.033	1.28	1.19	.72	.51
642572CB	5800-470 ♻	47	0.109	0.804	1.19	.72	.51
642581CB	5800-560 ♻	56	0.14	0.804	1.19	.72	.51
642599CB	5800-820 ♻	82	0.152	0.804	1.19	.72	.51
642601CB	5800-101 ♻	100	0.208	0.632	1.19	.72	.51
642610CB	5800-121 ♻	120	0.283	0.508	1.19	.72	.51
642628CB	5800-151 ♻	150	0.34	0.508	1.19	.72	.51
642636CB	5800-181 ♻	180	0.362	0.508	1.19	.72	.51
642644CB	5800-221 ♻	220	0.43	0.508	1.19	.72	.51
642652CB	5800-271 ♻	270	0.557	0.4	1.19	.72	.51
642661CB	5800-331 ♻	330	0.665	0.4	1.19	.72	.51
642679CB	5800-391 ♻	390	0.772	0.4	1.19	.72	.51
642687CB	5800-471 ♻	470	1.15	0.315	1.19	.72	.51
642708CB	5800-152 ♻	1500	3.45	0.158	1.19	.72	.51
642716CB	5800-222 ♻	2200	4.48	0.158	1.19	.72	.51
642724CB	5800-472 ♻	4700	10.5	0.1	1.19	.72	.51
642741CB	5800-103 ♻	10,000	26.4	0.05	1.19	.72	.51

5900 Series Equivalents

642759CB	5900-100 ♻	10	0.017	8.7	$2.09	$1.28	$.90
642767CB	5900-220 ♻	22	0.026	4	2.09	1.28	.90
642775CB	5900-470 ♻	47	0.035	4	2.09	1.28	.90
642783CB	5900-560 ♻	56	0.037	3.2	2.09	1.28	.90
642791CB	5900-101 ♻	100	0.09	1.6	2.09	1.28	.90
642804CB	5900-121 ♻	120	0.113	1.6	2.09	1.28	.90
642812CB	5900-151 ♻	150	0.129	1.6	2.09	1.28	.90
642821CB	5900-221 ♻	220	0.162	1.6	2.09	1.28	.90
642839CB	5900-271 ♻	270	0.208	1.6	2.09	1.28	.90
642847CB	5900-331 ♻	330	0.212	1.6	2.09	1.28	.90
642855CB	5900-391 ♻	390	0.281	1.6	2.09	1.28	.90
642863CB	5900-471 ♻	470	0.38	1.2	2.09	1.28	.90
642871CB	5900-681 ♻	680	0.548	1	2.09	1.28	.90
642880CB	5900-102 ♻	1000	0.844	0.8	2.09	1.28	.90
642898CB	5900-152 ♻	1500	1.18	0.6	2.09	1.28	.90
642901CB	5900-472 ♻	4700	3.19	0.4	2.09	1.28	.90
642919CB	5900-682 ♻	6800	5.69	0.25	2.09	1.28	.90
642927CB	5900-103 ♻	10,000	7.3	0.266	3.19	1.97	1.39

NTC Thermistors

- Typical applications: temperature measurement/control/compensation; power supply fan control; PCB temperature monitoring
- Operating temp.: -30˚C ~ +130˚C
- Maximum allowable power (@ 250˚C): 0.55W
- Thermal dissipation factor: 6.5mW/°C (@ 250˚C)
- Resistance value allowable difference: 10%



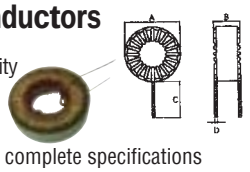
Quantity SAVE

Part No.	Product No.	Resistance (Ω @ 25˚C)	B Constant (25/50˚C >10%)	Temp. Coef. @ 25˚C (%/˚C)	Pricing 1	10	100	500
207520CB	NTC-101 ⊕	100	3100	-3.5	$.59	$.49	$.39	$.32
207511CB	NTC-201 ⊕	200	3100	-3.5	.59	.49	.40	.30
207503CB	NTC-301 ⊕	300	3100	-3.5	.59	.49	.39	.293
207491CB	NTC-501 ⊕	500	3100	-3.5	.59	.49	.39	.293
207482CB	NTC-102 ⊕	1k	3800	-4.3	.59	.49	.39	.32
207474CB	NTC-202 ⊕	2k	3800	-4.3	.59	.49	.39	.32
207466CB	NTC-302 ⊕	3k	3900	-4.4	.59	.50	.40	.30
207458CB	NTC-402 ⊕	4k	3900	-4.4	.59	.49	.39	.32
207440CB	NTC-502 ⊕	5k	3900	-4.4	.59	.49	.39	.293
207036CB	NTC-103 ⊕	10k	4100	-4.6	.59	.49	.39	.32
207028CB	NTC-153 ⊕	15k	4100	-4.6	.59	.53	.48	.293
207010CB	NTC-203 ⊕	20k	4200	-4.7	.59	.49	.39	.293
207001CB	NTC-503 ⊕	50k	4200	-4.7	.59	.49	.39	.293
206990CB	NTC-104 ⊕	100k	4400	-4.9	.59	.49	.39	.32
206981CB	NTC-204 ⊕	200k	4500	-5.1	.59	.50	.40	.30

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

High Current Toroid Inductors

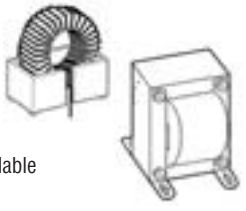


5700 Series Equivalents

- Low radiation • Low core loss • High current capacity
- Size: A = 22.22mm max.; B = 11.09mm max.
  C = 15.0±1.0mm; D = 1.2±0.5mm
- See page 219 for EMI suppression cores
- See technical datasheets on www.Jameco.com for complete specifications

Part No.	Cross Ref. No.	L (µH)	IDC max. (A)	L min. @ IDC	Pricing 1	10	25	50	100
208258CB	5701 ⊕	10	11.0	5	$3.99	$3.05	$2.74	$2.26	$1.70
208266CB	5702 ⊕	25	5.5	12	3.99	3.05	2.74	2.26	1.70
208311CB	5711 ⊕	50	9.5	25	4.95	4.46	3.79	3.03	2.27
208303CB	5707 ⊕	75	5.0	40	4.35	3.75	3.37	2.78	2.09
208274CB	5703 ⊕	125	2.75	70	3.99	3.05	2.74	2.26	1.70
208320CB	5712 ⊕	150	4.75	85	4.35	3.75	3.37	2.78	2.53
208282CB	5704 ⊕	275	2.0	150	3.99	3.05	2.74	2.26	2.06
208291CB	5705 ⊕	450	1.5	250	4.35	3.28	2.95	2.44	2.21

TRIAD Inductors



Smoothing Filter Chokes

NEW ON THE WEB

- Inductance ranges: 0.005 – 15H
- DC current ranges: 10mA to 22.5A
- Resistance ranges: 0.06 to 3,500Ω

Rod Core Inductors

- Compatible with automated P.C.B. installation
- Rod core and high current rod core inductors available

Toroidal Inductors

- Store energy & condition output signal to provide more stable current supply
- For use in differential mod applications or as output inductors

E-Core and Encapsulated Toroidal Inductors

- Used in various power supplies to eliminate noise.
- Minimize AC line transmitted interference created by high frequency switching power supplies

These products ship from a separate warehouse and may not ship the same day.
Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Inductor Offering at www.Jameco.com/Prod/TriadInductors

OHMITE Resistors



10 Series Current-Sense Axial Lead Wire-Element

- 1 & 5% tolerance • Low inductance • Fixed resistance measuring point

20 Series Vitreous Enamel Conformal Axial Lead Wirewound

- 5% tolerance • All-welded construction • Flame resistant
- Durable construction for industrial applications where reliability is paramount

40 Series Ohmicone® Silicone-Ceramic Conformal Axial Lead Wirewound

- 1 & 5% tolerance • All-welded construction
- Higher power rating • Economical
- Stability under high temperature conditions

90 Series Lead Free Vitreous Enamel Molded Axial Lead Wirewound

- 5% tolerance • Flame resistant
- Molded construction provides consistant shape and size
- Meets MII-R-26 requirements for insulated resistors

NEW ON THE WEB

200/270 Series Vitreous Enamel Power

- 5% tolerance • All-welded construction
- Higher power rating • Flame resistant

250 Series Thin Stackohm® Vitreous Enamel Power

- 5% tolerance • Small size-to-power ratio • Stackable
- Integral mounting bracket conducts heat to mounting surface

OX Series Ceramic Composition

- 10% tolerance • High peak power • Meets high energy density demands

TA Series Power Chip® Thick Film on Alumina Substrate

- 5% tolerance • Low inductance • High power density

Resistor Mounting Brackets and Thru Bolts also available

These products ship from a separate warehouse and may not ship the same day.
Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Ohmite Offering at www.Jameco.com/Prod/Ohmite

LA Series Radial Leaded Varistors

- AC power line applications • Power supplies • High energy absorption
- UL recognized as "transient voltage surge suppressors"
- UL recognized as "across-the-line components"



LA Series Part No.	Cross Ref. No.	Size Dia. (mm)	Max. Ratings (+85°C) Continuous RMS Volt. $V_{M(AC)}$	Continuous DC Volt. $V_{M(DC)}$	Transient Energy (10/1000µs) W_{TM}	Characteristics at 25°C Max Clamping Volt. @ I_{PK} Value Curr. (8/20µs) V	I_{PK}=2.0A	Pricing 1	10	100	500
			Volts	Volts	Joules	Volts	Amps				
34446CB	V130LA10A	14	130	175	38	340	50	$.29	$.25	$.22	$.20
34471CB	V250LA20A	14	250	330	72	650	50	.39	.35	.32	.30
34462CB	V130LA20A	20	130	175	70	340	100	.59	.56	.54	.52

Littelfuse BA Series Metal Oxide Varistor

NEW

- Bolt-down mount • Bidirectional clamping polarity



BA Series Part No.	Cross Ref. No.	Max. Ratings (+85°C) Continuous RMS Volt. $V_{M(AC)}$	Continuous DC Volt. $V_{M(DC)}$	Transient Energy (2ms) W_{TM}	Characteristics at 25°C Varistor Voltage at 1mA DC Test Current MIN	$V_{N(DC)}$	MAX	Pricing (10 pcs. minimum) 10	50	100
		Volts	Volts	Joules	Volts	Volts	Volts			
638223CB	V481BA60♠	480	640	1600	670	750	825	$88.99	$83.52	$78.60

Littelfuse ZA Series Radial Leaded Varistor

NEW

- Through-hole mount • Bidirectional clamping polarity



ZA Series Part No.	Cross Ref. No.	Size Disc Dia. (mm)	Max. Ratings (+85°C) Continuous RMS Volt. $V_{M(AC)}$	Continuous DC Volt. $V_{M(DC)}$	Transient Energy (10/1000µs) W_{TM}	Characteristics at 25°C Maximum Clamping Voltage (8/20µs) V_C	I_{PK}	Pricing (100 pcs. minimum) 100	250	500
			Volts	Volts	Joules	Volts	Amps			
638231CB	V68ZA2 ♠	7	40	56	3	127	5	$.14	$.133	$.124

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

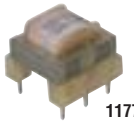
Modem Coupling Transformers



125356CB:

- Insulation resistance: 100MΩ • Core type: EI-14
- Hipot tested: 1000VAC • Vacuum wax impregnated
- ±20% impedance matching
- ±20% DC resistance matching

125356CB



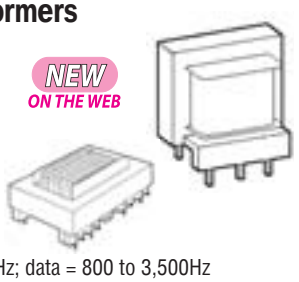
117760CB:

- Dielectric strength: 1250VAC
- Insertion loss: 2.50dB @ 1kHz

117760CB

Part No.	Cross Ref. No.	Impedance (Ω) Primary	Secondary	Resistance (Ω) Primary	Secondary	Pricing 1	10	100
125356CB	XFR6006A14 ⊕	600CT	600CT	65	55	$1.35	$1.28	$1.15
117760CB	671-8014 ⊕	600	600	108	120	1.99	1.69	1.27

TRIAD Audio Transformers



PC Mount

NEW ON THE WEB

- Used in line matching, telephone coupling, pulse trigger, driver, interstage, output, isolation and input applications.
- Frequency response ranges: 200 –15,000Hz
- Impedance matching: 10% over freq. range

Data Voice Coupling

- Dielectric strength (FCC 68.304): 1500V
- Power level: -45dBm to +7dBm
- Frequency range: data/voice = 300 to 3,500Hz; data = 800 to 3,500Hz

MIL-T-27E

- Red Spec transformers designed and constructed to meet the rigid requirements of MIL-T-27E.
- Frequency response ranges: 300Hz – 100kHz • Power level: to 50mW

These products ship from a separate warehouse and may not ship the same day.
Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Transformer Offering at www.Jameco.com/Prod/TriadAudio

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Resettable Fuses

Resettable fuses improve reliability and lower costs. Polymer Positive Temperature Coefficient (PPTC) fuses have provided designers in numerous industries a new tool in their battle to improve product quality and performance. As PPTC fuses are resettable, warranty costs and service calls are largely avoided.

RA Series

- Rated voltage: (V_{MAX}): 60V
- Max. current: (I_{MAX}): 40A
- Lead length (D): 7.6mm min.
- Thickness (E): 3.1mm max.

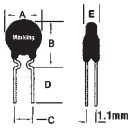


Fig. 1

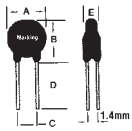


Fig. 2

Part No.	Mfg. P/N	Hold Curr. (I_H, A)	Trip Curr. (I_T, A)	Fig.	Size (mm) A	B	C	Pricing 1	10	100	500
199814CB	RA010-60 ⊕	0.10	0.20	1	7.4	12.7	5.1	$.45	$.41	$.39	$.31
199822CB	RA017-60 ⊕	0.17	0.34	1	7.4	12.7	5.1	.45	.41	.39	.31
199831CB	RA020-60 ⊕	0.20	0.40	1	7.4	12.2	5.1	.45	.41	.39	.31
199849CB	RA025-60 ⊕	0.25	0.50	1	7.4	12.7	5.1	.45	.41	.39	.31
199857CB	RA030-60 ⊕	0.30	0.60	1	7.4	13.0	5.1	.45	.41	.39	.31
199865CB	RA040-60 ⊕	0.40	0.80	1	7.6	13.5	5.1	.49	.44	.41	.32
199873CB	RA050-60 ⊕	0.50	1.00	1	7.9	13.7	5.1	.49	.46	.43	.32
199881CB	RA065-60 ⊕	0.65	1.30	1	9.7	14.5	5.1	.50	.47	.43	.34
199890CB	RA075-60 ⊕	0.75	1.50	1	10.4	15.2	5.1	.50	.47	.43	.34
199902CB	RA090-60 ⊕	0.90	1.80	1	11.7	15.8	5.1	.52	.49	.45	.30
199911CB	RA110-60 ⊕	1.10	2.20	2	13.0	18.0	5.1	.57	.55	.52	.40
199929CB	RA135-60 ⊕	1.35	2.70	2	14.5	19.6	5.1	.58	.56	.53	.41
199937CB	RA160-60 ⊕	1.60	3.20	2	16.3	21.3	5.1	.60	.57	.54	.42
199945CB	RA185-60 ⊕	1.85	3.70	2	17.8	22.9	5.1	.59	.55	.45	.39
199953CB	RA250-60 ⊕	2.50	5.00	2	21.3	26.4	10.2	.70	.63	.57	.49
199961CB	RA300-60 ⊕	3.00	6.00	2	24.9	30.0	10.2	.74	.67	.60	.50
199970CB	RA375-60 ⊕	3.75	7.50	2	28.5	33.5	10.2	.74	.67	.53	.41

RB Series

- Rated voltage: (V_{MAX}): 30V
- Max. current (I_{MAX}): 40A
- Lead length (D): 7.6mm min.
- Thickness (E): 3.0mm max.

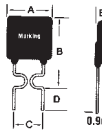


Fig. 3

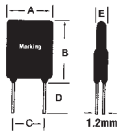


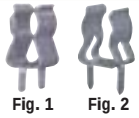
Fig. 4

Part No.	Mfg. P/N	Hold Curr. (I_H, A)	Trip Curr. (I_T, A)	Fig.	Size (mm) A	B	C	Pricing 1	10	100	500
199988CB	RB090-30 ⊕	0.90	1.80	3	7.4	12.2	5.1	$.48	$.43	$.35	$.26
199996CB	RB110-30 ⊕	1.10	2.20	3	7.4	14.2	5.1	.48	.43	.39	.31
200002CB	RB135-30 ⊕	1.35	2.70	3	8.9	13.5	5.1	.48	.46	.43	.34
200011CB	RB160-30 ⊕	1.60	3.20	3	8.9	15.2	5.1	.45	.42	.39	.31
200029CB	RB185-30 ⊕	1.85	3.70	3	10.2	15.7	5.1	.48	.43	.39	.32
200037CB	RB250-30 ⊕	2.50	5.00	3	11.4	18.3	5.1	.52	.48	.43	.34
200045CB	RB300-30 ⊕	3.00	6.00	4	11.4	17.3	5.1	.57	.52	.48	.37
200053CB	RB400-30 ⊕	4.00	8.00	4	14.0	20.1	5.1	.62	.57	.52	.40
200061CB	RB500-30 ⊕	5.00	10.00	4	14.0	24.9	10.2	.67	.60	.54	.44
200070CB	RB600-30 ⊕	6.00	12.00	4	16.5	24.9	10.2	.73	.67	.61	.48
200088CB	RB700-30 ⊕	7.00	14.00	4	19.1	26.7	10.2	.80	.73	.67	.52
200096CB	RB800-30 ⊕	8.00	16.00	4	21.6	29.2	10.2	.95	.86	.77	.62
200109CB	RB900-30 ⊕	9.00	18.00	4	24.1	29.7	10.2	.89	.79	.69	.59

Fuse Clips

- Low contact resistance • Low profile
- Withstands shock and vibration

Prepackaged: order in increments of 10, 100 or 1000


Fig. 1 Fig. 2

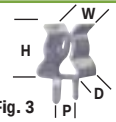


Fig. 3

Part No.	Description	Fig.	Size (H" x W" x D" x P")	10	100	1000
102859CB	5mm, front leads ⊕	1	.37 x .25 x .21 x .19	$.12	$.09	$.05
119280CB	5mm, side leads ⊕	2	.33 x .25 x .20 x .21	.09	.08	.07
102841CB	1/4", front leads (10A) ⊕	3	.32 x .27 x .25 x .23	.09	.08	.07
220732CB	5mm, front leads (10A) ⊕	3	.33 x .27 x .25 x .29	.15	.10	.07

Panel Mount Fuse Holders

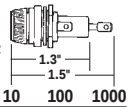
1¼" x ¼" Standard Thumbscrew Cap

- Straight solder terminal; 10A @ 250VAC

18702CB



102824CB



Part No.	Approvals	Size	Mounting Hole	1	10	100	1000
120993CB	— ⊕	1.95"L x .71"Dia.	.58"Dia. (Double D-style)	$.79	$.69	$.55	$.49
18702CB	UL/CSA ⊕	2.05"L x .71"Dia.	.58"Dia. x .52"Flat (D-style)	1.59	1.35	1.15	.99

5mm x 20mm Miniature Thumbscrew Cap

- Straight solder terminal; Size: 1.5"L x 0.6"Dia.

Part No.	Approvals	Current	Mounting Hole	1	10	100	1000
150463CB	— ⊕	6A @ 250VAC	.50"Dia. x .43"Flat	$.99	$.86	$.75	$.57
102824CB	UL/CSA ⊕	10A @ 250VAC	.50"Dia.	.99	.85	.72	.59

1¼" x ¼" Standard Fuses

Fast Acting Fuses (250V) AGC/3AG Fuses



- **Prepackaged: order in increments of 10, 100 or 1000**

Part No.	Amps	Mfr.	10	100	1000
69403CB	250mA ⊕	Various	$.20	$.18	$.16
10410CB	500mA ⊕	Various	.20	.18	.16
197510CB	630mA ⊕	Various	.20	.18	.16
10372CB	1 amp ⊕	Various	.20	.12	.11
197528CB	1.6 amp ⊕	Various	.20	.12	.11
10381CB	2 amp ⊕	Various	.20	.12	.11
197536CB	2.5 amp ⊕	Various	.26	.12	.10
69438CB	3 amp ⊕	Various	.20	.12	.11
197544CB	4 amp ⊕	Various	.22	.20	.18
10401CB	5 amp ⊕	Various	.22	.20	.18
197552CB	6.3 amp ⊕	Various	.22	.20	.18
69462CB	10 amp ⊕	Various	.25	.22	.20
186301CB	16 amp ⊕	Various	.25	.22	.20

Slow Blow Fuses (250V) MDL/3AG Fuses



Part No.	Amps	Mfr.	1	10	100	1000
25654CB	250mA ⊕	Various	$.75	$.59	$.50	$.40
25689CB	500mA ⊕	Various	.69	.59	.50	.37
25638CB	1 amp ⊕	Various	.69	.59	.50	.37
25646CB	2 amp ⊕	Various	.55	.44	.34	.28
69534CB	3 amp ⊕	Various	.55	.44	.34	.28
25671CB	5 amp ⊕	Various	.55	.44	.34	.28
69569CB	10 amp ⊕	Various	.75	.65	.51	.40

5mm x 20mm Mini Fuses

Fast Acting Fuses (250V) GMA Fuses

- Recommended for new designs
- **Prepackaged: order in increments of 10, 100, 500 or 1000**



Part No.	Amps	Mfr.	10	100	500	1000
103886CB	250mA ⊕	Various	$.20	$.15	$.11	$.10
102040CB	500mA ⊕	Various	.20	.15	.11	.10
103907CB	1 amp ⊕	Various	.20	.15	.11	.10
103915CB	2 amp ⊕	Various	.25	.18	.13	.12
103923CB	3 amp ⊕	Various	.20	.15	.11	.10
103931CB	5 amp ⊕	Various	.20	.15	.11	.10

Slow Blow Fuses (250V) GMA Fuses

- **Prepackaged: order in increments of 10, 100 or 1000**



Part No.	Amps	Mfr.	10	100	1000
197501CB	500mA ⊕	Various	$.29	$.26	$.23
197464CB	1 amp ⊕	Various	.29	.26	.23
197472CB	2 amp ⊕	Various	.35	.32	.29
197481CB	3.15 amp ⊕	Various	.35	.32	.29
197499CB	5 amp ⊕	Various	.35	.32	.29

5mm x 20mm Miniature Low Profile Fuse Holder

- Accepts 5 x 20mm fuses
- 10A @ 250VAC
- Size: 1.4"L x 0.6"Dia.
- D-style mounting hole: 1 ea. 0.5"Dia x .46" flat



Part No.	Description	1	10	100
102832CB	Fuse holder UL/CSA ⊕	$1.95	$1.79	$1.59

In-Line Fuse Holders

- Built-in spring ensures good fuse connection
- Vinyl covered wire with stranded copper center
- Wire color: red; except for P/N 108783CB orange



102867CB

1¼" x ¼" Standard

Part No.	AWG	Wire Lgths	Body Size(L)	Body Color	1	10	100
109321CB	22 ⊕	3.5/3"	2.4"	Black	$.65	$.58	$.52
102867CB	20 ⊕	3/3"	2.2"	White	.65	.58	.48
151917CB	18 ⊕	6/6"	2.4"	White	.99	.85	.65
108783CB	16 ⊕	21/26"	2.2"	Black	.99	.87	.68
108791CB	14 ⊕	19/25"	2.5"	Black	1.59	1.45	1.05

5mm x 20mm Miniature

Part No.	AWG	Wire Color	Body Size (L)	1	10	100
109330CB	20 ⊕	Red	1.8"	$.69	$.56	$.45

5mm x 20mm Fast Acting Fuse Kit

- Glass cartridge, silver-end caps
- Voltage rating: 250VAC
- IEC127 / BS4265 / CEE4 specifications
- 100 pieces: 10 ea. of 0.1A, 0.2A, 0.5A, 1A, 1.6A, 2A, 2.5A, 3A, 4A and 5A



NEW

Part No.	Product No.	1	10	25
645343CB	K/FF ⊕	$12.29	$11.68	$11.09

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Fuse Series





ATO® 257 Series
- Fast acting and Slo-Blo® type fuses
- Standard for foreign and domestic automobiles and trucks

FLNR Fuses
- Dual-element, time-delay
- 250VAC

AC Midget — KLK Series
- Fast acting for use in circuits with high AC fault current capacity

Class CC — CCMR Series
- Fast acting protection to equipment containing surge sensitive components

ATO® In-Line Fuseholders
- For use with ATO® Fuses 1-20A
- Supplied with (2) 4" wire leads/16AWG

LR60060-3 Class R Fuseholder

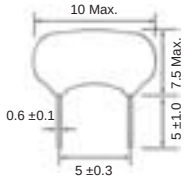
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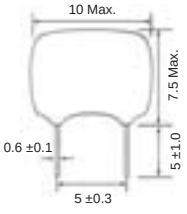
Ceramic Resonators

The ZTA series ceramic resonator offers wide frequency range and extended temperature range capabilities.

- Low profile
- Wide frequency range
- High stability
- Frequency accuracy: ±0.5% @ 25°C
- Extended temperature range: -20°C to +85°C
- Temperature stability: ±0.3%
- Drive level: 0.5mw
- Aging for 10 years: ± 0.3%



ZTA-MG



ZTA-MT/MX

Part No.	Comparable to:	Freq. (MHz)	No. of Pins	Resonant Resistance Ω (max.)	Withstanding Voltage 5 sec. (max.)	Pricing 1	10	100	1000
324591CB	TZTA-3M58MG ⊕	3.58	2	30	100V	$.28	$.255	$.25	$.195
324603CB	TZTA-4.00MG ⊕	4.0	2	30	100V	.28	.255	.25	.195
324611CB	TZTA-4.19MG ⊕	4.19	2	30	100V	.38	.32	.255	.195
324700CB	TZTT-4.19MG ⊕	4.19	3	30	100V	.42	.355	.285	.22
324620CB	TZTA-6.00MT ⊕	6.0	2	30	100V	.28	.26	.255	.195
324718CB	TZTT-6.00MT ⊕	6.0	3	30	100V	.31	.285	.275	.21
324638CB	TZTA-8.00MT ⊕	8.0	2	25	100V	.28	.26	.255	.195
324726CB	TZTT-8.00MT ⊕	8.0	3	25	100V	.31	.285	.275	.21
324558CB	TZTA-10.00MT ⊕	10.0	2	25	100V	.28	.255	.25	.195
324566CB	TZTA-12.00MT ⊕	12.0	2	25	100V	.28	.255	.25	.195
324654CB	TZTT-12.00MT ⊕	12.0	3	25	100V	.31	.285	.275	.21
324574CB	TZTA-16.00MT ⊕	16.0	2	55	100V	.28	.255	.25	.195
324662CB	TZTT-16.00MT ⊕	16.0	3	55	100V	.31	.285	.275	.21
324582CB	TZTA-20.00MT ⊕	20.0	2	55	100V	.28	.255	.25	.195
324671CB	TZTT-20.00MT ⊕	20.0	3	55	100V	.31	.285	.275	.21



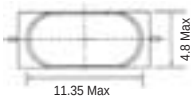
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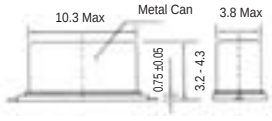
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SMD Version of HC49US

The CSM-7 is an excellent choice for SMD version of the CHC-49US leaded crystal. The CSM-7 has a case height of 4.3mm maximum in a resistance weld metal package.

- Operating temperature range: -40°C to +85°C
- Frequency stability: ± 100ppm
- Drive level: 0.5mw
- Aging (first year @ +25°C): ± 5ppm



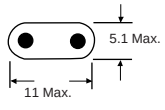


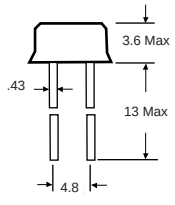
Part No.	Product No.	Frequency (MHz)	Impedance	Pricing 1	10	100	1000
325868CB	JVP-325868 ⊕	3.579545	17pF	$.83	$.70	$.55	$.46
325876CB	JVP-325876 ⊕	3.6864	20pF	.83	.70	.55	.46
325884CB	JVP-325884 ⊕	4.0	20pF	.83	.70	.55	.46
325892CB	JVP-325892 ⊕	6.0	32pF	.83	.70	.55	.43
325905CB	JVP-325905 ⊕	7.3728	20pF	.83	.70	.55	.43
325913CB	JVP-325913 ⊕	8.0	18pF	.83	.70	.55	.46
325921CB	JVP-325921 ⊕	12.0	20pF	.83	.70	.56	.46
325930CB	JVP-325930 ⊕	14.31818	20pF	.83	.70	.55	.46
325948CB	JVP-325948 ⊕	16.0	20pF	.83	.70	.56	.46
325956CB	JVP-325956 ⊕	18.432	20pF	.83	.70	.55	.46
325964CB	JVP-325964 ⊕	19.6608	20pF	.83	.70	.55	.46
325972CB	JVP-325972 ⊕	20.0	20pF	.83	.70	.55	.46
325981CB	JVP-325981 ⊕	24.0	20pF	.83	.70	.55	.46

HC49/S Case (Low Profile Crystals)

- Frequency range: 3.5 to 70.0MHz
- Operating temperature: -10°C to +60°C
- Drive level: 0.5mW (fundamental frequency)
- Aging: ±5ppm/year maximum
- Frequency stability tolerance: ±50ppm

SALE

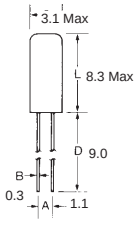




Part No.	Comparable to:	Frequency (MHz)	Imped.	Max. Resist.	Pricing 1	10	100	1000
137816CB	CY3.57LP ⊕	3.579545	17pF	150Ω	$.79	$.71	$.59	$.53
137832CB	CY4LP ⊕	4.000	17pF	120Ω	.99	.89	.79	.69
137859CB	CY8LP ⊕	8.000	Series	60Ω	.63	.57	.50	.45
137875CB	CY11.05LP ⊕	11.0592	Series	50Ω	1.05	.81	.66	.52
137891CB	CY16LP ⊕	16.000	Series	40Ω	.35	.32	.26	.24

Tuning Fork

- Operating temperature range: -10°C to +60°C
- Frequency tolerance: ±20ppm
- Drive level: 1mw
- Aging for first year: ± 3ppm (max. +25°C)



Part No.	Comparable to:	Frequency (kHz)	Impedance	Pricing 1	10	100	1000
14584CB	CY32.76 ⊕	32.768	10.5pF	$.89	$.79	$.69	$.59
325243CB	JVP-325243 ⊕	32.768	12.5pF	.23	.215	.185	.135

14-Pin Crystal Oscillator Socket

- Can be PCB mounted without the modifications that would be needed with DIP-IC sockets
- Low profile solder tail; machine tooled on 4 pins
- Good for prototyping and PCB mounting

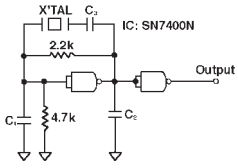


Part No.	Description	1	10	100	1000
133006CB	Oscillator socket ⊕	$.55	$.46	$.34	$.31

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Crystals

- Frequency calibration tolerance: ± 50ppm @ 25°C
- Operating temperature: -10°C to +60°C
- Drive level: 4.0 mW maximum
- Shunt capacitance: 7pF maximum
- Frequency stability tolerance: ±50 ppm from -10°C to +60°C

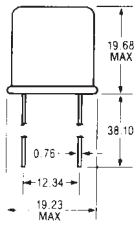


Application Reference (4~14MHz) (parallel resonance)

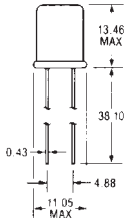
A Jameco EXCLUSIVE

C1: 150-470 pF
C2: 220-820 pF
C3: Match crystal impedance

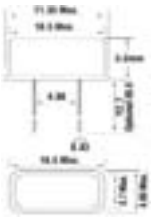
Dimensions in millimeters



HC33/U Case



HC49/U (HC18/U) Case



HC49/US Low Profile Case

HC33/U Case

Part No.	Comparable to:	Frequency (MHz)	Impedance	Pricing 1	10	100	1000
14349CB	CY1	1.0	13pF	$4.95	$4.49	$3.95	$3.49

HC49/U (HC18/U) Case

324224CB	TQR49U1M8432A1310 ⊕	1.8432	13pF	$.95	$.86	$.82	$.64
324283CB	TQR49U2M0000AS10 ⊕	2.0	Series	.94	.85	.82	.63
324275CB	TQR49U2M0000A2010 ⊕	2.0	20pF	.94	.85	.82	.63
324312CB	TQR49U2M5000A1310 ⊕	2.5	Series	.78	.71	.68	.53
324321CB	TQR49U3M0000AS10 ⊕	3.0	Series	.78	.71	.68	.53
324347CB	TQR49U3M6864A1810 ⊕	3.6864	18pF	.31	.284	.274	.211
324363CB	TQR49U4M0000AS10 ⊕	4.0	Series	.31	.284	.274	.211
324355CB	TQR49U4M0320A2010 ⊕	4.032	20pF	.31	.284	.274	.211
324371CB	TQR49U4M1940A1210 ⊕	4.194	12pF	.31	.284	.274	.211
324401CB	TQR49U4M9152AS10 ⊕	4.9152	Series	.31	.284	.274	.211
324380CB	TQR49U4M9152A2010 ⊕	4.9152	20pF	.31	.284	.274	.211
324427CB	TQR49U5M0000AS10 ⊕	5.0	Series	.31	.284	.274	.211
324419CB	TQR49U5M0000A2010 ⊕	5.0	20pF	.31	.284	.274	.211
324435CB	TQR49U5M0688A2010 ⊕	5.0688	20pF	.31	.284	.274	.211
324443CB	TQR49U5M1850A3210 ⊕	5.185	32pF	.31	.284	.274	.211
324460CB	TQR49U6M0000AS10 ⊕	6.0	Series	.31	.284	.274	.211
324451CB	TQR49U6M0000A3210 ⊕	6.0	32pF	.31	.284	.274	.211
324478CB	TQR49U6M5536A1210 ⊕	6.5536	12pF	.31	.284	.274	.211
324486CB	TQR49U7M6800A2010 ⊕	7.68	20pF	.31	.284	.274	.211
324494CB	TQR49U8M6800A1810 ⊕	8.0	18pF	.31	.284	.274	.211
324507CB	TQR49U8M0000A2010 ⊕	8.0	20pF	.31	.284	.274	.211
324515CB	TQR49U8M0000A3210 ⊕	8.0	32pF	.31	.284	.274	.211
324531CB	TQR49U9M2160AS10 ⊕	9.216	Series	.31	.284	.274	.211

Other Manufacturers SALE

102613CB	CY1.843 ⊕	1.8432	18pF	$.99	$.91	$.81	$.60
102621CB	CY2.0 ⊕	2.0	Series	~~$.89~~ .78	.75	.73	.70
101274CB	CY2.457 ⊕	2.4576	32pF	~~$.99~~ .91	.62	.57	.42
14525CB	CY3.27 ⊕	3.2768	18pF	~~$.89~~ .74	.67	.59	.51
14533CB	CY3.57 ⊕	3.579545	18pF	~~$.89~~ .47	.43	.34	.31
14568CB	CY3.68 ⊕	3.6864	18pF	~~$.89~~ .28	.256	.23	.207
14592CB	CY4 ⊕	4.0	20pF	~~$.89~~ .59	.54	.41	.39
14621CB	CY4.91 ⊕	4.9152	Series	~~$.89~~ .28	.256	.23	.207

HC49/U (HC18/U) Case (Continued)

Part No.	Comparable to:	Frequency (MHz)	Impedance	Pricing 1	10	100	1000
324523CB	TQR49U9M2160A2010 ⊕	9.216	20pF	$.31	$.284	$.274	$.211
324540CB	TQR49U9M9304A2010 ⊕	9.9304	20pF	.31	.284	.274	.211
324128CB	TQR49U11M0592AS10 ⊕	11.0592	Series	.31	.284	.274	.211
324110CB	TQR49U11M0592A3210 ⊕	11.0592	32pF	.31	.284	.274	.211
324136CB	TQR49U11M5200AS10 ⊕	11.52	Series	.31	.284	.274	.211
324144CB	TQR49U11M98135AS10 ⊕	11.98135	Series	.31	.284	.274	.211
324152CB	TQR49U12M288A2010 ⊕	12.288	20pF	.31	.284	.274	.211
324161CB	TQR49U13M5168AS10 ⊕	13.5168	Series	.31	.284	.274	.211
324179CB	TQR49U14M311818AS10 ⊕	14.31818	Series	.31	.284	.255	.211
324187CB	TQR49U14M7456A2010 ⊕	14.7456	20pF	.31	.284	.274	.211
324195CB	TQR49U14M7456AS10 ⊕	14.7456	Series	.31	.284	.274	.211
324208CB	TQR49U16M0000A2010 ⊕	16.0	20pF	.31	.284	.274	.211
324216CB	TQR49U18M0000A2010 ⊕	18.0	20pF	.31	.284	.274	.211
324232CB	TQR49U18M4320A2010 ⊕	18.432	20pF	.31	.284	.274	.211
324241CB	TQR49U19M6608A2010 ⊕	19.6608	20pF	.31	.284	.274	.211
324259CB	TQR49U19M6608AS10 ⊕	19.6608	Series	.31	.284	.274	.211
324267CB	TQR49U20M0000A2010 ⊕	20.0	20pF	.31	.284	.274	.211
324304CB	TQR49U22M1184AS14 ⊕	22.1184	Series	.31	.284	.274	.211
324339CB	JVP-324339 ⊕	35.2512	18pF	.31	.284	.274	.211
324398CB	JVP-324398 ⊕	49.86	20pF	.31	.284	.274	.211

Other Manufacturers SALE

14681CE	CY6 ⊕	6.0	18pF	~~$.79~~ $.28	$.256	$.23	$.207
14699CB	CY6.14 ⊕	6.144	30pF	~~$.79~~ .28	.256	.23	.207
539743CB	XTAL-6.176 ⊕	6.176	18pF	.28	.26	.24	.20
14710CB	CY7.37 ⊕	7.3728	30pF	~~$.89~~ .28	.256	.23	.207
14728CB	CY8 ⊕	8.0	Series	.67	.59	.52	.405
14381CB	CY10 ⊕	10.0	Series	.79	.69	.59	.49
120061CB	CY11.05 ⊕	11.0592	Series	~~$.89~~ .80	.71	.68	.53
14402CB	CY12 ⊕	12.0	Series	~~$.89~~ .89	.75	.55	.39
537799CB	XTAL-14.31818 ⊕	14.31818	Series	.28	.26	.24	.20
14453CB	CY16 ⊕	16.0	Series	~~$.99~~ .75	.59	.50	.44
14517CB	CY20 ⊕	20.0	Series	.79	.69	.59	.39

HC49/US Low Profile Case

324988CB	TQR49S3M68640A1810 ⊕	3.6864	18pF	$.36	$.325	$.31	$.24
324961CB	TQR49S4M00000A2010 ⊕	4.0	20pF	.36	.325	.31	.24
324937CB	TQR49S4M09600A2010 ⊕	4.096	20pF	.36	.325	.31	.24
324929CB	TQR49S5M0000A2010 ⊕	5.0	20pF	.36	.325	.31	.24
324831CB	TQR49S7M3728A2010 ⊕	7.3728	20pF	.36	.325	.31	.24
324822CB	TQR49S7M3728A2040† ⊕	7.3728	20pF	.62	.57	.50	.36
324814CB	TQR49S7M6800A2010 ⊕	7.68	20pF	.36	.325	.31	.24
324806CB	TQR49S8M0000A1810 ⊕	8.0	18pF	.36	.325	.31	.24
324785CB	TQR49S8M0000A2010 ⊕	8.0	20pF	.36	.325	.31	.24
324777CB	TQR49S8M0000A3210 ⊕	8.0	32pF	.36	.325	.31	.24
324742CB	TQR49S9M2160AS10 ⊕	9.216	Series	.36	.325	.31	.24
324734CB	TQR49S9M8304A2010 ⊕	9.8304	20pF	.36	.325	.31	.24
325227CB	TQR49S11M05920A2010 ⊕	11.0592	20pF	.36	.325	.31	.24
325219CB	TQR49S11M05920A3210 ⊕	11.0592	32pF	$.36	$.325	$.31	$.24
325201CB	TQR49S12M0000A2010 ⊕	12.0	20pF	.36	.325	.31	.26
325198CB	TQR49S12M0000A2040† ⊕	12.0	20pF	.62	.57	.50	.36
325180CB	TQR49S12M0000A3210 ⊕	12.0	32pF	.36	.325	.31	.24
325171CB	TQR49S12M2880A2010 ⊕	12.288	20pF	.36	.325	.31	.24
325121CB	TQR49S16M0000A2040† ⊕	16.0	20pF	.62	.57	.50	.36
325112CB	TQR49S18M4320A2010 ⊕	18.432	20pF	.36	.325	.31	.24
325104CB	TQR49S18M4320A2040† ⊕	18.432	20pF	.62	.57	.50	.36
325067CB	TQR49S20M0000A2010 ⊕	20.0	20pF	.36	.325	.31	.24
325059CB	TQR49S20M0000A2040† ⊕	20.0	20pF	.62	.57	.50	.36
325024CB	TQR49S24M0000A2010 ⊕	24.0	20pF	.62	.57	.50	.36
325016CB	TQR49S24M576A2010 ⊕	24.576	20pF	.36	.325	.31	.24
325008CB	TQR49S25M0000A1810 ⊕	25.0	18pF	.36	.325	.31	.24

† Industrial temperature range (-40˚C to 85˚C)

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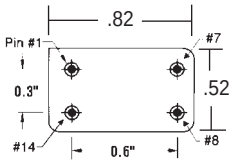
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TTL Oscillators

Specifications:

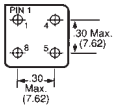
- Input voltage: +5VDC ±0.5VDC
- OSC series oscillators fit into a 14-pin DIP socket P/N 133006CB, pg 90
- Frequency stability ±100ppm
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.



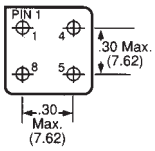
Full Can

Pin #	Function
1	N/C
7	GND
8	Output
14	+5VDC

Full Can



325497CB



Half Can

Pin #	Function
1	N/C
4	GND
5	Output
8	+5VDC

Half Can

TTL Oscillators (Full Can)

Part No.	Comparable to:	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing 1	10	100	1000
325411CB	TQOPD143M579545A3 ⊕	3.579545	15mA	10ns	$1.19	$1.09	$1.03	$.79
325315CB	TQOPD143M686400A3 ⊕	3.6864	15mA	10ns	1.19	1.09	1.03	.77
354888CB	TQOPD144M000000A3 ⊕	4.0	15mA	10ns	1.35	1.22	1.17	.85
325374CB	TQOPD144M915200A3 ⊕	4.9152	15mA	10ns	1.19	1.09	1.03	.79
325323CB	TQOPD145M000000A3 ⊕	5.0	15mA	10ns	1.19	1.09	1.03	.79
325251CB	TQOPD145M068800A3 ⊕	5.0688	15mA	10ns	1.19	1.09	1.03	.79
325260CB	TQOPD146M000000A3 ⊕	6.0	15mA	10ns	1.19	1.09	1.03	.79
325278CB	TQOPD146M144000A3 ⊕	6.144	15mA	10ns	1.19	1.09	1.03	.79
325358CB	TQOPD147M372800A3 ⊕	7.3728	15mA	10ns	1.19	1.09	1.03	.77
354896CB	TQOPD148M000000A3 ⊕	8.0	30mA	10ns	1.35	1.22	1.17	.85
325331CB	TQOPD149M216000A3 ⊕	9.216	30mA	10ns	1.19	1.09	1.03	.79
325366CB	TQOPD149M830400A3 ⊕	9.8304	30mA	10ns	1.19	1.09	1.03	.79
354909CB	TQOPD1410M00000A3 ⊕	10.0	30mA	10ns	1.19	1.15	1.03	.77
354870CB	TQOPD1411M05920A3 ⊕	11.0592	30mA	10ns	1.35	1.22	1.17	.85
354837CB	TQOPD1414M31818A3 ⊕	14.31818	30mA	—	1.19	1.09	1.03	.79
354845CB	TQOPD1416M00000A3 ⊕	16.0	30mA	10ns	1.35	1.22	1.17	.85
325286CB	TQOPD1416M25700A3 ⊕	16.257	30mA	10ns	1.19	1.09	1.03	.79
325340CB	TQOPD1418M00000A3 ⊕	18.0	30mA	10ns	1.19	1.09	1.03	.79
325382CB	TQOPD1418M432000A3 ⊕	18.432	30mA	10ns	1.19	1.09	1.03	.79
325446CB	TQOPD1419M660800A3 ⊕	19.6608	30mA	10ns	1.19	1.09	1.03	.79
354917CB	TQOPD1420M000000A3 ⊕	20.0	30mA	10ns	1.35	1.22	1.17	.85
325391CB	TQOPD1424M000000A3 ⊕	24.0	70mA	10ns	1.19	1.09	1.03	.77
325454CB	TQOPD1425M000000A3 ⊕	25.0	70mA	5ns	1.19	1.09	1.03	.77
325403CB	TQOPD1428M322000A3 ⊕	28.322	70mA	5ns	1.19	1.09	1.03	.79
325438CB	TQOPD1430M000000A3 ⊕	30.0	70mA	5ns	1.19	1.09	1.03	.79
325294CB	TQOPD1435M000000A3 ⊕	35.0	70mA	5ns	1.19	1.09	1.03	.79
354861CB	TQOPD1440M000000A3	40.0	70mA	5ns	1.35	1.22	1.17	.85
354853CB	TQOPD1450M000000A3 ⊕	50.0	70mA	5ns	1.35	1.22	1.17	.85
	Other Manufacturers						SALE	
27861CB	OSC1 ⊕	1.0	7mA	15ns	~~$2.75~~ $2.49	$2.20	$1.43	$1.18
325307CB	TQOPD141M228800A3 ⊕	1.2288	15mA	10ns	1.25	1.13	.89	.83
27879CB	OSC1.84 ⊕	1.8432	7mA	15ns	2.39	2.15	1.95	1.59
27924CB	OSC2 ⊕	2.0	7mA	15ns	1.99	1.79	1.59	1.39
27967CB	OSC4 ⊕	4.0	7mA	10ns	1.99	1.79	1.59	1.39
27991CB	OSC8 ⊕	8.0	15mA	15ns	1.99	1.79	1.59	1.39
27887CB	OSC10 ⊕	10.0	15mA	10ns	1.99	1.79	1.59	1.39
144207CB	OSC11.05 ⊕	11.059	50mA	10ns	~~$1.35~~ 1.25	1.13	.90	.84
27895CB	OSC12 ⊕	12.0	15mA	10ns	~~$1.99~~ 1.31	1.21	.98	.81
108652CB	OSC14.31	14.31818	15mA	10ns	~~$1.99~~ 1.29	1.13	1.02	.83
27908CB	OSC16 ⊕	16.0	15mA	10ns	~~$1.59~~ 1.25	1.13	1.02	.83
27932CB	OSC20 ⊕	20.0	17mA	10ns	1.79	1.59	1.45	1.29
27941CB	OSC32 ⊕	32.0	18mA	7ns	~~$1.59~~ 1.31	1.21	1.11	.81
76822CB	OSC33 ⊕	33.0	18mA	6ns	1.99	1.79	1.59	1.35
153226CB	OSC40 ⊕	40.0	18mA	6ns	1.25	1.13	1.02	.83
76831CB	OSC50 ⊕	50.0	25mA	6ns	~~$1.99~~ 1.25	1.13	1.02	.83
325420CB	TQOPD1466M666A3 ⊕	66.666	70mA	5ns	1.19	1.08	1.03	.97
76857CB	OSC100 ⊕	100.0	25mA	3ns	2.49	2.25	1.95	1.75

TTL Oscillators (Half Can)

Part No.	Comparable to:	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing 1	10	100	1000
325500CB	TQOPD083M579545A3 ⊕	3.579545	15mA	10ns	$1.35	$1.22	$1.17	$.90
325518CB	TQOPD083M6864A3 ⊕	3.6864	15mA	10ns	1.35	1.22	1.17	.90
325526CB	TQOPD084M0000A3 ⊕	4.0	15mA	10ns	1.32	1.21	1.17	.90
325534CB	TQOPD085M0688A3 ⊕	5.0688	15mA	10ns	1.32	1.21	1.17	.90
325542CB	TQOPD086M0000A3 ⊕	6.0	15mA	10ns	1.32	1.21	1.17	.90
325551CB	TQOPD086M1440A3 ⊕	6.144	15mA	10ns	1.32	1.21	1.17	.90
325569CB	TQOPD088M0000A3 ⊕	8.0	30mA	10ns	1.32	1.21	1.17	.90
325577CB	TQOPD089M2160A3 ⊕	9.216	30mA	10ns	1.32	1.21	1.17	.90
325585CB	TQOPD089M8304A3 ⊕	9.8304	30mA	10ns	1.35	1.22	1.17	.90
354829CB	TQOPD0810M0000A3 ⊕	10.0	25mA	5ns	1.35	1.22	1.17	.90
325593CB	TQOPD0811M0592A3 ⊕	11.0592	30mA	10ns	1.35	1.22	1.17	.90
325606CB	JVP-325606 ⊕	12.0	30mA	10ns	1.35	1.22	1.17	.90
325614CB	TQOPD0814M31818A3 ⊕	14.31818	30mA	10ns	1.35	1.22	1.17	.90
325622CB	TQOPD0816M0000A3 ⊕	16.0	30mA	10ns	1.35	1.22	1.17	.90
325631CB	TQOPD0816M2570A3 ⊕	16.257	30mA	10ns	1.35	1.22	1.17	.90
325649CB	TQOPD0818M4320A3 ⊕	18.432	30mA	10ns	1.35	1.22	1.17	.90
325657CB	TQOPD0819M6608A3 ⊕	19.6608	30mA	10ns	1.35	1.22	1.17	.90
325665CB	JVP-325665 ⊕	20.0	30mA	10ns	1.35	1.22	1.17	.90
325673CB	TQOPD0825M0000A3 ⊕	25.0	70mA	5ns	1.35	1.22	1.17	.90
325681CB	TQOPD0828M3220A3 ⊕	28.322	70mA	5ns	1.35	1.22	1.17	.90
325690CB	TQOPD0830M0000A3 ⊕	30.0	46mA	5ns	1.35	1.22	1.17	.90
325702CB	TQOPD0832M0000A3 ⊕	32.0	70mA	5ns	1.35	1.22	1.17	.90
325711CB	TQOPD0832M5140A3 ⊕	32.514	70mA	5ns	1.35	1.22	1.17	.90
325729CB	JVP-325729	40.0	70mA	5ns	1.41	1.29	1.16	.94
325737CB	JVP-325737 ⊕	48.0	70mA	5ns	1.35	1.22	1.17	.90
	Other Manufacturers							
325462CB	JVP-325462 ⊕	1.0	15mA	10ns	$1.35	$1.22	$.96	$.90
325471CB	JVP-325471 ⊕	1.2288	15mA	10ns	1.35	1.22	.96	.90
325489CB	JVP-325489 ⊕	1.8432	15mA	10ns	1.39	1.29	1.01	.94
325497CB	JVP-325497 ⊕	2.0	25mA	5ns	1.35	1.22	.96	.90
102779CB	OSC10H ⊕	10.0	45mA	6ns	1.45	1.05	.96	.79
325745CB	JVP-325745 ⊕	64.0	70mA	5ns	1.35	1.22	1.10	1.01

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81875CB (Capacitor Kit)

20-drawer component cabinet with every kit!

- Cabinet size: 6.0"L x 15.0"W x 7.9"H
- Drawer size: 5.5"L x 2.7"W x 1.5"H
- Cabinet is wall-mountable or free standing
- Cabinet: ABS-Black
- Weight: 4.6 to 6.4 lbs.

Each Refill Package includes all Electronic Components listed in each kit; each type is separately packaged.

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81832CB (Resistor Kit)

Radial Electrolytic Capacitor Kit

SAVE $11

Includes 240 pcs. (15 values) ±20% Radial Electrolytic Capacitors

10 each	10 each	20 each	20 each	20 each
100µF @ 50V	1000µF @ 16V	1µF @ 50V	3.3µF @ 50V	22µF @ 50V
220µF @ 25V	2200µF @ 25V	1µF @ 100V	4.7µF @ 50V	47µF @ 50V
470µF @ 25V	3300µF @ 25V	2.2µF @ 50V	10µF @ 50V	100µF @ 25V

Part No.	Description	Wt. (lbs.)	1	10
81867CB	240 pcs. Radial Capacitor kit	5.3	**$29.95**	**$26.95**
130331CB	Refill for 81867CB (240 pcs.)	0.5	**17.95**	**16.49**

Axial Electrolytic Capacitor Kit

SAVE $13

Includes 140 pcs. (10 values) ±20% Axial Electrolytic Capacitors

10 each	10 each	10 each	20 each	20 each
47µF @ 50V	220µF @ 50V	1000µF @ 25V	1µF @ 50V	10µF @ 50V
100µF @ 50V	470µF @ 50V	2200µF @ 16V	4.7µF @ 50V	2.2µF @ 50V

Part No.	Description	Wt. (lbs.)	1	10
81875CB	140 pcs. Axial Capacitor kit	5.3	**$37.95**	**$34.15**
130340CB	Refill for 81875CB (140 pcs.)	0.6	**24.95**	**22.49**

Mylar Capacitor Kit

SAVE $21

Includes 280 pcs. (10 values) 100V ±10% Mylar Capacitors

10 each	10 each	10 each	10 each	100 each
.001µF	.022µF	.047µF	.47µF	.01µF
.0047µF	.033µF	.22µF	1µF	.1µF

Part No.	Description	Wt. (lbs.)	1	10
81883CB	280 pcs. Mylar Capacitor kit	5.1	**$37.95**	**$34.15**
130358CB	Refill for 81883CB (280 pcs.)	0.3	**19.95**	**17.95**

Dipped Tantalum Capacitor Kit

SAVE $31

Includes 150 pcs. (15 values) ±20% Dipped Tantalum Capacitors

10 each	10 each	10 each	10 each	10 each
.1µF @ 35V	1µF @ 25V	3.3µF @ 35V	10µF @ 16V	22µF @ 16V
.22µF @ 35V	1µF @ 35V	4.7µF @ 35V	10µF @ 35V	33µF @ 25V
.47µF @ 35V	2.2µF @ 16V	6.8µF @ 35V	15µF @ 25V	47µF @ 25V

Part No.	Description	Wt. (lbs.)	1	10
81841CB	150 pcs. Tantalum Capacitor kit	4.8	**$79.95**	**$71.95**
130260CB	Refill for 81841CB (150 pcs.)	0.3	**59.95**	**53.95**

Ceramic Disc Capacitor Kit

SAVE $15

Includes 520 pcs. (10 values) 50V ±20% Ceramic Disc Capacitors

20 each	20 each	20 each	100 each	100 each
10pF	47pF	470pF	.022µF	.01µF
22pF	100pF	.001µF	.047µF	.1µF

Part No.	Description	Wt. (lbs.)	1	10
81859CB	520 pcs. Ceramic Capacitor kit	5.0	**$35.95**	**$32.35**
130232CB	Refill for 81859CB (520 pcs.)	0.3	**17.95**	**16.49**

Monolithic Ceramic Capacitor Kit

SAVE $11

Includes 280 pcs. (10 values) 50V ±20% Monolithic Ceramic Capacitors

10 each	10 each	10 each	10 each	100 each
22pF	.001µF	.047µF	.47µF	.01µF
100pF	.0022µF	.22µF	1µF	.1µF

Part No.	Description	Wt. (lbs.)	1	10
171475CB	280 pcs. Monolithic Capacitor kit	5.0	**$29.95**	**$26.95**
171483CB	Refill for 171475CB (280 pcs.)	0.3	**17.95**	**15.95**

1/8-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/8-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	1.5kΩ	3.3kΩ	15kΩ	47kΩ	100Ω	4.7kΩ
47Ω	390Ω	2kΩ	5.1kΩ	22kΩ	470kΩ	220Ω	10kΩ
150Ω	470Ω	2.2kΩ	5.6kΩ	27kΩ	1MΩ	1kΩ	100kΩ
270Ω	680Ω	2.7kΩ	6.8kΩ	33kΩ	10MΩ		

Part No.	Description	Wt. (lbs.)	1	10
108329CB	540 pcs. 1/8-watt Resistor kit	4.9	**$24.95**	**$22.49**
108302CB	Refill for 108329CB (540 pcs.)	0.2	**12.95**	**11.49**

1/4-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/4-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	1.2kΩ	2.7kΩ	15kΩ	47kΩ	100Ω	4.7kΩ
47Ω	390Ω	1.5kΩ	3.3kΩ	20kΩ	470kΩ	220Ω	10kΩ
150Ω	470Ω	2kΩ	5.1kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	680Ω	2.2kΩ	5.6kΩ	33kΩ	10MΩ		

Part No.	Description	Wt. (lbs.)	1	10
81832CB	540 pcs. 1/4-watt Resistor kit	4.9	**$27.95**	**$24.95**
103165CB	Refill for 81832CB (540 pcs.)	0.2	**12.95**	**11.49**

1/2-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/2-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	1.5kΩ	3.3kΩ	15kΩ	47kΩ	100Ω	4.7kΩ
47Ω	390Ω	2kΩ	5.1kΩ	22kΩ	470kΩ	220Ω	10kΩ
150Ω	470Ω	2.2kΩ	5.6kΩ	27kΩ	1MΩ	1kΩ	100kΩ
270Ω	680Ω	2.7kΩ	6.8kΩ	33kΩ	10MΩ		

Part No.	Description	Wt. (lbs.)	1	10
107879CB	540 pcs. 1/2-watt Resistor kit	5.1	**$29.95**	**$26.95**
107852CB	Refill for 107879CB (540 pcs.)	0.4	**14.95**	**13.49**

1/2-Watt Single Turn Cermet Pot Kit

SAVE $29

See page 82 (63P Series) for photos and specs.

Includes 100 pcs. (10 values) 1/2-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each
63P500Ω	63P2kΩ	63P10kΩ	63P50kΩ	63P500kΩ
63P1kΩ	63P5kΩ	63P20kΩ	63P100kΩ	63P1MΩ

Part No.	Description	Wt. (lbs.)	1	10
85032CB	100 pcs. single turn Pot kit	4.9	**$65.95**	**$59.35**

3/4-Watt 15 Turn Cermet Pot Kit

SAVE $32

See page 82 (43P Series) for photos and specs.

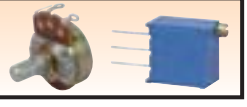
Includes 100 pcs. (10 values) 3/4-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each
43P500Ω	43P2kΩ	43P10kΩ	43P50kΩ	43P500kΩ
43P1kΩ	43P5kΩ	43P20kΩ	43P100kΩ	43P1MΩ

Part No.	Description	Wt. (lbs.)	1	10
85041CB	100 pcs. 15 turn Pot kit	4.9	**$82.95**	**$74.65**

Individually Sold Potentiometers

See pages 80-84



Color Code Legend: New Sale Lower$ QtySave

Belden Coaxial Cables

Belden COT Compare Belden coaxial cables with those from the other companies who produce them and you will discover the obvious: Belden has no equal. That's because Belden coaxial cables are time-tested for performance, performance that guarantees outstanding value. Belden guarantees this level of performance because every cable is tested with equipment that simulates every known environmental and electrical performance condition. As a result, Belden coaxial cable can be counted on for positive, reliable, and trouble-free operation. Engineered in a wide selection of sizes and materials, with each offering the benefits needed for physical, electrical and cost-requirement applications. Cable choices include broadband, standard analog, precision video for analog and digital, and more. For our complete line of Belden products, please visit www.Jameco.com/Belden.

50Ω Transmission and Computer Cable RG8/U Type

16 AWG stranded (19x29) .058" bare copper



- 95% bare copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 81.4pF/m • Nominal impedance: 50Ω
- Nominal outer diameter: 0.242" • Color: black

SALE

Part No.	Product No.	Description	1	5	10
234254CB	9258-100-10⊕	100' reel	$59.99	$54.99	$49.99
234256CB	9258-500-10⊕	500' reel	346.55	314.47	298.73
234255CB	9258-1000-10⊕	1000' reel	601.15	559.17	538.20
234258CB	9258-U500-10⊕	500' unreel box	357.05	324.01	307.79
234257CB	9258-U1000-10⊕	1000' unreel box	619.35	576.12	554.52

13 AWG stranded (7 x 21) .085" bare copper



- 97% bare copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 93.5pF/m • Nominal impedance: 52Ω
- Nominal outer diameter: .405" • Color: black

Part No.	Product No.	Description	1	5	10
232848CB	8237-100-10⊕	100' reel	$166.05	$151.09	$138.36
232856CB	8237-500-10⊕	500' reel	629.09	571.86	549.03
232864CB	8237-1000-10⊕	1000' reel	1,135.85	1,041.29	961.12

11 AWG stranded (7 x 19) .108" bare copper



- Nominal outer diameter: .285" • Color: black
- Foam polyethylene insulation & black PVC jacket • 97% bare copper braid shield
- Nominal capacitance: 85.3pF/m • Nominal impedance: 50Ω

Part No.	Product No.	Description	1	5	10
232750CB	8214-100-10⊕	100' reel	$178.55	$162.30	$148.77
232768CB	8214-500-10⊕	500' reel	780.65	709.66	650.05
232776CB	8214-1000-10⊕	1000' reel	1,303.55	1,203.17	1,117.27

50Ω Transmission and Computer Cable RG58A/U Type

20 AWG solid .032" bare copper



- Nominal outer diameter: .193" • Color: black
- Polyethylene insulation and black PVC jacket • 95% tinned copper braid shield
- Nominal capacitance: 93.5pF/m • Nominal impedance: 51.5Ω

Part No.	Product No.	Description	1	5	10
232872CB	8240-100-10⊕	100' reel	$48.55	$43.99	$39.99
232881CB	8240-500-10⊕	500' reel	166.75	151.50	138.88
232899CB	8240-1000-10⊕	1000' reel	358.25	328.38	303.14
234175CB	8240-U500-10⊕	500' unreel box	202.99	184.17	142.57
234174CB	8240-U1000-10⊕	1000' unreel box	333.29	302.42	287.33

20 AWG stranded (19 x 33) .035" tinned copper



- 95% tinned copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 101pF/m • Nominal impedance: 50Ω
- Nominal outer diameter: .192" • Color: black

Part No.	Product No.	Description	1	5	10
232936CB	8259-100-10⊕	100' reel	$50.65	$45.93	$41.73
232944CB	8259-500-10⊕	500' reel	178.89	154.64	140.48
232952CB	8259-1000-10⊕	1000' reel	322.95	295.99	273.21

20 AWG stranded (19 x 32) .037" tinned copper



- 96% tinned copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 86.9pF/m • Nominal impedance: 53.5Ω
- Nominal outer diameter: .194" • Color: black

Part No.	Product No.	Description	1	5	10
232813CB	8219-100-10⊕	100' reel	$39.99	$37.49	$34.99
232821CB	8219-500-10⊕	500' reel	257.99	234.47	214.89
232830CB	8219-1000-10⊕	1000' reel	406.75	372.87	344.16

50Ω Transmission and Computer Cable RG174/U Type

26 AWG stranded (7 x 34) .019" bare copper-covered steel



- 90% tinned copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 101pF/m • Nominal impedance: 50Ω
- Nominal outer diameter: .110" • Color: black

Part No.	Product No.	Description	1	5	10
232784CB	8216-100-10⊕	100' reel	$40.85	$37.08	$33.68
232792CB	8216-500-10⊕	500' reel	131.65	119.44	108.52
232805CB	8216-1000-10⊕	1000' reel	278.85	263.29	250.13

75Ω Broadband Coax CATV Cable RG6/U Type

18 AWG solid .040" bare copper-covered steel



- Duobond® II +60% aluminum braid shield
- Gas injected foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 53.1pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .270" • Color: black

NEW

Part No.	Product No.	Description	1	5	10
233269CB	9116-100-10⊕	100' reel	$20.89	$17.56	$16.68
233277CB	9116-500-10⊕	500' reel	65.55	57.37	54.50
233285CB	9116-1000-10⊕	1000' reel	119.45	113.48	107.80
447831CB	9116-U500-010♠	500' unreel box	53.45	46.75	39.99
447822CB	9116-U1000-010♠	1000' unreel box	93.29	83.70	77.69

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

18 AWG solid .040" bare copper-covered steel



- Duobond® IV quad shield • Nominal outer diameter: .298"
- Gas injected foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 53.1pF/m • Nominal impedance: 75Ω

Part No.	Product No.	Description	1	5	10
232733CB	1189A-100-10⊕	100' reel (black)	$23.99	$20.14	$18.13
233402CB	1189A-500-10⊕	500' reel (black)	83.99	67.87	64.48
232741CB	1189A-1000-10⊕	1000' reel (black)	183.45	174.27	165.55
234052CB	1189A-U500-10⊕	500' unreel box (black)	100.99	81.61	77.53
447110CB	1189A-U1000-10♠	1000' unreel box (black)	136.95	122.19	111.93
447101CB	1189A-U1000-09♠	1000' unreel box (white)	131.65	117.49	109.99

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Precision Video Cable for Analog and Digital RG6 Type

18 AWG solid .040" bare copper



- Gas injected foam HDPE insulation, PVC jacket
- Nominal capacitance: 53.1pF/m • Nominal impedance: 75Ω
- DuoFoil® +95% tinned copper braid shield • Nominal outer diameter: .275"

Part No.	Product No.	Description	1	5	10
234099CB	1694A-100-10⊕	100' reel (black)	$66.49	$55.86	$53.07
234155CB	1694A-500-10⊕	500' reel (black)	234.89	191.33	177.23
234154CB	1694A-1000-10⊕	1000' reel (black)	488.39	396.49	382.18
447241CB	1694A-1000-02♠	1000' reel (red)	478.25	433.21	388.24
447259CB	1694A-1000-04♠	1000' reel (yellow)	465.85	433.21	388.24
447267CB	1694A-1000-06♠	1000' reel (blue)	465.85	433.21	388.24
447275CB	1694A-1000-08♠	1000' reel (gray)	362.45	340.42	336.41
447283CB	1694A-1000-09♠	1000' reel (white)	362.45	340.42	336.41

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Belden Ribbon Cable

Belden COT

9L28014 – 0.50" Pitch



- 28 AWG (7 x 36) tinned copper • PVC insulation

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Ribbon Cable Offering at www.Jameco.com/Prod/BeldenRibbon

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Belden Coaxial Cables (Continued)

Direct Broadcast Satellite RG6 Type Cable



18 AWG solid .040" bare copper
- DuoBond® II +60% aluminum braid
- Gas injected foam polyethylene insulation, PVC jacket
- Nominal capacitance: 16.2pF/m • Nominal impedance: 75Ω

Part No.	Product No.	Description	1	5	10
234156CB	1829AC-100-10⊕	100' reel (black)	$14.99	$13.99	$12.99
234177CB	1829AC-500-10⊕	500' reel (black)	54.99	52.24	49.63
234157CB	1829AC-1000-10⊕	1000' reel (black)	123.25	110.88	105.34
447312CB	1829A-U1000-010♠	1000' unreel box (black)	96.09	85.74	79.43

Composite Data, Audio, Video, Security and Control Cable

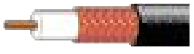


Two RG6 18 AWG solid bare copper conductors and two 4-pair UTP 24 AWG solid bare copper conductors
- Gas injected FPR insulation coax cable, polyolefin insulation CAT5e cable and F-R PVC jackets
- Component nominal outer diameter: .200" • Banana Peel™ jacketless cables

SALE

Part No.	Product No.	Description	1	5	10
234163CB	7913S-500⊕	500' reel (black)	$279.85	$264.83	$262.53
234162CB	7913S-1000⊕	1000' reel (black)	700.85	682.06	663.31

75Ω Standard Analog Video Cable RG59/U Type



23 AWG solid .023" bare copper
- 95% bare copper braid shield
- Polyethylene insulation and black PVC jacket • Nominal outer diameter: .242"
- Nominal capacitance: 67.3pF/m • Nominal impedance: 75Ω • Color: black

Part No.	Product No.	Description	1	5	10
232901CB	8241-100-10⊕	100' reel	$53.75	$50.46	$46.52
232910CB	8241-500-10⊕	500' reel	141.55	132.81	122.47
232928CB	8241-1000-10⊕	1000' reel	271.45	259.32	248.69
447478CB	8241-U500-10♠	500' unreel box	103.65	96.67	95.21
447460CB	8241-U1000-10♠	1000' unreel box	222.89	199.33	187.57

22 AWG stranded (7 x 30) .030" bare copper

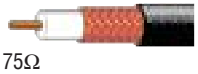


- 95% bare copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 56.7pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .241" • Color: black

SALE

Part No.	Product No.	Description	1	5	10
232653CB	9259-100-10⊕	100' reel	$56.79	$53.04	$48.86
232661CB	9259-500-10⊕	500' reel	156.55	142.23	139.40
232670CB	9259-1000-10⊕	1000' reel	383.19	369.43	350.45
234070CB	9259-U500-10⊕	500' unreel box	196.85	178.84	175.29
234069CB	9259-U1000-10⊕	1000' unreel box	383.19	369.43	350.45

Broadband Coax (Headend/Video Cables)



20 AWG solid .031" bare copper
- Nominal capacitance 68.9pF/m • Color: black
- Nominal outer diameter: .305" • Nominal impedance: 75Ω
- 98% tinned copper double braid shield • Polyethylene insulation and jacket

Part No.	Product No.	Description	1	5	10
232961CB	8281-100-10⊕	100' reel	$85.49	$72.06	$68.46
232979CB	8281-500-10⊕	500' reel	483.25	414.18	372.43
232987CB	8281-1000-10⊕	1000' reel	906.39	773.15	739.32

20 AWG solid .032" solid bare copper



- Duofoil® +95% tinned copper braid shield
- Gas injected foam HDPE insulation and PVC jacket
- Nominal capacitance: 53.5pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .234"

SALE

Part No.	Product No.	Description	1	5	10
234086CB	1505A-100-10⊕	100' reel (black)	$51.05	$42.89	$40.75
234088CB	1505A-500-10⊕	500' reel (black)	214.35	174.59	173.96
234087CB	1505A-1000-10⊕	1000' reel (black)	435.29	359.73	358.14
447136CB	1505A-1000-04♠	1000' reel (yellow)	297.49	275.76	275.09

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Belden Coaxial Cables (Continued)

RG59 Type Security Coaxial Cable



20 AWG solid bare copper conductor
- 95% bare copper braid shield • Nominal impedance: 75Ω
- Foam polyolefin insulation and black UV resistant PVC jacket
- Impregnated with CoreGuard® flame retardant flooding compound
- Shielded or flooded for use in underground ducts
- Surveillance and CCTV applications • Color: black

Part No.	Product No.	Description	1	5	10
234158CB	543945-100-10⊕	100' reel	$15.45	$15.35	$15.25
234160CB	543945-500-10⊕	500' reel	64.95	61.98	58.92
234159CB	543945-1000-10⊕	1000' reel	139.99	132.27	125.66

Standard Analog Video Cable 75Ω Miniature Coax



27 AWG stranded (7x35) .017" bare copper-covered steel
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 67.3pF/m • Color: black
- Nominal impedance: 75Ω • Nominal outer diameter: .100"

Part No.	Product No.	Description	1	5	10
234173CB	8218-U500-10⊕	500' unreel box	$217.09	$196.96	$178.98
234172CB	8218-U1000-10⊕	1000' unreel box	534.15	484.61	460.38

Belden Coaxial Cables

549945 75Ω Composite – Alarm, Security and Audio Cable



- RG59/U • PVC jacket
- 1 pair 18 AWG (7 x 26) • Color: black
- Foam Polyolefin insulation (coax) & PVC insulation (Pair)
- 20 AWG solid bare copper with bare copper braid shield

9100 – RG-59 Broadband MATV



- 20 AWG solid bare copper covered steel • PVC jacket
- Duobond®II shield (foil and braid, 40%) • Color: black
- Gas injected foam Polyethelene insulation

9228 – RG-62A/U Computer/Instrumentation 93Ω



- 22 AWG solid bare copper covered steel
- Bare copper braid shield (95%) • Color: black
- Semi-solid polyethelene insulation • High-density Polyethelene jacket

9248 – RG-6/U Standard Analog Video



- 18 AWG solid bare copper • PVC jacket
- Duofoil® Shield 100% • HDPE insulation • Color: black

89907 – RG58A/U Ethernet 50Ω



- 20 AWG stranded (19x32) tinned copper
- Duobond® II shield • Plenum
- Fluorocopolymer jacket • Foam FEP insulation

88241 – RG59/U Standard Analog Video



- 23 AWG solid bare copper covered steel conductor
- Bare copper braid shield • Plenum
- FEP jacket • FEP insulation • Color: black

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Belden Coax Offering at www.Jameco.com/Prod/BeldenCoax

Bus Bar Hook Up Wire

In accordance with performance requirements of Federal Specs. QQ-W343G.
- Solid tinned copper, single conductor
- Nominal outer diameter: 24 AWG – .021"; 22 AWG – .026"; 20 AWG – .033"

Part No.	Product No.	Description	1	5	10
234168CB	8022-100⊕	24 AWG, 100' reel	$12.09	$10.94	$9.95
234169CB	8022-1000⊕	24 AWG, 1000' reel	70.55	56.99	52.62
234166CB	8021-100⊕	22 AWG, 100' reel	13.45	10.81	9.77
234167CB	8021-1000⊕	22 AWG, 1000' reel	91.39	77.91	72.05
234164CB	8020-100⊕	20 AWG, 100' reel	16.39	14.36	12.98
234165CB	8020-1000⊕	20 AWG, 1000' reel	141.49	120.59	111.51

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

Belden Speaker Cables

These speaker cables are used to connect receivers or power amplifiers to speakers & are also used for the internal wiring of the speakers. Belden speaker cables utilize only high-conductivity copper produced by a process called Electrolytic Tough Pitch (ETP). This refining process produces a conductor that is 99.95% pure copper resulting in high-conductivity per ASTM B115.

Electrolytic Tough Pitch (ETP) High Conductivity Copper Speaker Cables

- 2-conductor stranded
- Parallel (1) tinned (1) bare
- Clear PVC jacket
- PVC insulation



18 AWG Stranded (16 x 30)

Part No.	Product No.	Description	1	5	10
232573CB	9708-100-368⊕	100' reel	$27.15	$24.65	$22.59
232581CB	9708-500-368⊕	500' reel	144.55	136.90	129.31
232590CB	9708-1000-368⊕	1000' reel	283.55	270.87	259.77
234153CB	9708-U500-368⊕	500' unreel box	181.95	172.33	162.77
234080CB	9708-U1000-368⊕	1000' unreel box	339.85	324.70	311.39

14 AWG Stranded (19 x 27)

Part No.	Product No.	Description	1	5	10
232602CB	9717-100-368⊕	100' reel	$65.49	$55.09	$49.45
233429CB	9717-500-368⊕	500' reel	255.69	242.25	218.04
232611CB	9717-1000-368⊕	1000' reel	539.85	509.72	458.88

12 AWG Stranded (65 x 30)

Part No.	Product No.	Description	1	5	10
232629CB	9718-100-368⊕	100' reel	$126.35	$106.13	$100.82
232637CB	9718-500-368⊕	500' reel	466.95	412.98	379.25
232645CB	9718-1000-368⊕	1000' reel	1,341.25	1,262.34	1,183.44

Belden Hook-Up Wire

UL AWM Style 1007

Belden hook-up and lead wire products are manufactured in a variety of materials, sizes, and designs to meet rigid industry and government specifications. Used in a wealth of applications including inter-connection circuits, internal wiring of computer and data processing equipment, appliances, and automotive. AWM, or Appliance Wiring Material, is Underwriter Laboratories' recognized covering of insulated wires and cables intended for internal wiring of appliances and equipment.

- Rated 105˚C, 300V; 600V peak for electronic circuits and electrical equipment
- Tinned copper
- PVC insulated
- Increments of 100' or 1000' reels



Use the color code chart below to replace the "xx" when ordering

01 – Brown	02 – Red	03 – Orange	04 – Yellow	05 – Green
07 – Violet	08 – Gray	09 – White	10 – Black	13 – Dark blue

e.g. **234601CB** – **2346** is the Jameco designation for 28 AWG stranded wire and **01** is for color brown

Part No.	Product No.	Description	1	5	10
2346xxCB	9928-100-xx⊕	28 AWG (7 x 36) stranded	$13.19	$10.77	$9.93
2345xxCB	9926-100-xx⊕	26 AWG (7 x 34) stranded	16.85	15.25	13.84
2344xxCB	9923-100-xx⊕	24 AWG (7 x 32) stranded	15.89	14.44	13.08
2343xxCB	9921-100-xx⊕	22 AWG (7 x 30) stranded	17.05	15.56	14.12
2342xxCB	9919-100-xx⊕	20 AWG (7 x 28) stranded	23.69	21.48	19.55
2341xxCB	9918-100-xx⊕	18 AWG (16 x 30) stranded	27.99	26.32	23.03
2340xxCB	9916-100-xx⊕	16 AWG (26 x 30) stranded	38.79	31.52	29.14
447902CB	9923-1000-02♠	24 AWG (7 x 32) stranded red	101.35	96.64	91.94
447911CB	9923-1000-07♠	24 AWG (7 x 32) stranded violet	91.55	83.66	76.91

♠These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Belden Hook-Up Wire

35610 – 10 AWG Stranded Polyethylene Insulated XL-DUR®

83003/83006/83009/83010 – 18 AWG Stranded Silver Coated Copper TFE Insulated High-Temp Teflon®



8500/8505/8520/8522/8523/85278530/8916/8917 – 1 2 to 26 AWG Solid or Stranded Tinned Copper PVC Insulated PVC

8899 – 18 AWG Stranded Rubber Insulated TC Test Prod

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Belden Hook-up Wire at www.Jameco.com/Prod/BeldenHookup

Paired Cables

5100UE/5200UE – Audio, Alarm & Security



- 14 AWG (19x27) or 16 AWG (19 x 29) bare copper
- PVC jacket
- Non-plenum
- Rip cord
- PVC insulation
- Color: gray
- 2 conductor

8471/8473 – Unshielded Audio, Control & Instrumentation



- 14 AWG (42 x 30) or 16 AWG (19 x 29) stranded
- Chrome PVC jacket
- Tinned copper
- Twisted pair
- PVC insulation

8764/8768/8777/8778 – Shielded Audio, Control & Instrumentation



- 22 AWG (7 x 30) stranded or solid
- Beldfoil® shield
- Chrome PVC jacket
- Tinned copper
- Twisted pairs
- 22 AWG drain wire
- Polyproplene insulation
- Individually shielded

1422A/8107/8110 – Shielded Low Capacitance Computer



- 24 AWG (7 x 32) stranded
- Braid or Beldfoil® shield
- Chrome PVC jacket
- Tinned copper
- Datalene® insulation
- 24 AWG drain wire

1883A – Shielded Audio, Control & Instrumentation



- 24 AWG (7 x 32) stranded
- Overall Beldfoil® shield
- PVC jacke
- Color: gray
- Tinned copper
- Polypropylene insulation
- 24 AWG drain wire

1860A– Audio



- 12 AWG (19 x 26) stranded high conductivity bare copper
- PVC jacket
- Plenum
- Flamarrest® insulation

8412 – Microphone & Musical Instrument



- 20 AWG (19 x 26) stranded high conductivity tinned copper
- EPDM jacket
- Cotton wrap
- Rubber insulation

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Belden Paired Cable at www.Jameco.com/Prod/BeldenPaired

Multi-Conductor Cables

7921A – DataTuff® Category 5e



- 24 AWG solid bare copper
- Overall Beldfoil
- Industrial PVC jacket
- Solid spiral drain wire
- Polyolefin insulation
- Non-plenum

9536 – Overall Beldfoil® Shield Computer



- 24 AWG (7 x 32) stranded
- Tinned copper
- Semi-rigid PVC insulation
- PVC jacket
- 24 AWG tinned copper drain wire

9418 – Overall Beldfoil® Audio Control & Instrumentation



- 18 AWG (19 x 30) stranded tinned copper
- 20 AWG drain wire
- Semi-rigid PVC insulation
- Chrome PVC jacket

8489/9430 – Unshielded Audio Control & Instrumentation



- 18 AWG (19 x 30) or 22 AWG (7 x 30) stranded
- Tinned copper
- 4 or 6 conductors
- PVC insulation
- Chrome PVC jacket

5200UE/5300UE/5302UE – Unshielded Security & Alarm



- 18 AWG or 16 AWG stranded
- PVC jacket
- Bare copper
- 2 or 4 conductors
- PVC insulation

1510C – Analog Snake Beldfoil® Shielded



- 24 AWG (7 x 32) stranded tinned copper
- PVC jacket
- Individually shielded & jacketed pairs
- Polyolefin insulation

1700A/7881A – Cat 5e Bonded/6 Unbonded Datatwist® UTP

- 24 AWG or 23 AWG solid bare copper
- Rip cord
- PVC jacket
- Non-plenum
- Polyolefin insulation

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Belden Multiconductor Cable at www.Jameco.com/Prod/BeldenMulti

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Belden Paired Cables

Belden COT Belden cable products are manufactured in a variety of gauge sizes, dimensions, insulation materials, shielding configurations, and jacketing materials including PVC, Plenum and High-Temperature versions to meet the technical requirements of many different types of systems. Paired cables allow balanced signal transmission, which results in lower crosstalk through common mode rejection. Due to the improved noise immunity of twisted pairs, they generally permit higher data speeds than other multi-conductor cables. For our complete line of Belden products, please visit www.Jameco.com/Belden.

• Chrome PVC jacket • Tinned copper • Twisted pairs • Tinned copper drain wire • Overall 100% BELDFOIL® shield (for shielded cables)

High-Temperature Control, Instrumentation Cables and Computer Cables

24 AWG stranded (7 x 32) shielded with 24 AWG stranded TC drain wire

- Semi-rigid PVC insulation • Nominal DCR: 24Ω/m
- Nominal impedance: 75Ω • Color: chrome



9501 Series



9502 Series



9503 Series



9504 Series

Part No.	Product No.	No. of Pairs	Description	1	5	10
232709CB	9501-100-60⊕	1	100' reel	$23.85	$21.64	$19.68
232717CB	9501-500-60⊕	1	500' reel	92.05	87.14	82.31
232725CB	9501-1000-60⊕	1	1000' reel	174.35	164.62	152.71
234073CB	9501-U500-60⊕	1	500' unreel box	108.79	103.00	97.29
234072CB	9501-U1000-60⊕	1	1000' unreel box	166.15	156.86	147.62
232451CB	9502-100-60⊕	2	100' reel	35.65	32.39	29.43
232469CB	9502-500-60⊕	2	500' reel	140.39	127.60	116.96
232477CB	9502-1000-60⊕	2	1000' reel	283.49	259.90	239.88
234075CB	9502-U500-60⊕	2	500' unreel box	155.99	141.75	129.94
234074CB	9502-U1000-60⊕	2	1000' unreel box	272.79	258.58	239.89
232485CB	9503-100-60⊕	3	100' reel	37.35	31.72	29.51
232493CB	9503-500-60⊕	3	500' reel	179.29	169.81	160.41
232506CB	9503-1000-60⊕	3	1000' reel	378.05	357.04	331.20
234077CB	9503-U500-60⊕	3	500' unreel box	226.39	214.44	202.58
234076CB	9503-U1000-60⊕	3	1000' unreel box	408.35	385.65	366.38
232514CB	9504-100-60⊕	4	100' reel	40.05	33.94	32.96
232522CB	9504-500-60⊕	4	500' reel	243.89	231.02	218.20
232531CB	9504-1000-60⊕	4	1000' reel	415.15	392.05	381.85
232549CB	9505-100-60⊕	5	100' reel	62.05	50.25	46.75
232557CB	9505-500-60⊕	5	500' reel	262.29	238.44	218.53
232565CB	9505-1000-60⊕	5	1000' reel	505.55	463.45	427.76
234078CB	9505-U500-60⊕	5	500' unreel box	311.25	294.84	278.43
234079CB	9505-U1000-60⊕	5	1000' unreel box	589.69	556.87	529.03

Low Capacitance Computer Cables

24 AWG stranded (7 x 32) shielded with 24 AWG stranded TC drain wire

- Datalene® insulation, chrome PVC jacket
- Nominal DCR: 24Ω/m • Color: chrome
- Nominal impedance: 100Ω

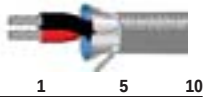


Part No.	Product No.	No. of Pairs	Description	1	5	10
234178CB	1419A-100-60⊕	2	100' reel	$24.99	$22.49	$19.99
234085CB	1419A-500-60⊕	2	500' reel	144.05	131.99	113.03
234084CB	1419A-1000-60⊕	2	1000' reel	264.55	242.43	223.76

Audio, Control, and Instrumentation Cables Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polypropylene insulation • Paper wrap
- Black PVC jacket
- Nominal capacitance: 111pF/m
- Nominal outer diameter: 0.138"



Part No.	Product No.	No. of Pairs	Description	1	5	10
233111CB	8451-100-10⊕	1	100' reel (black)	$19.99	$18.59	$16.99
233120CB	8451-500-10⊕	1	500' reel (black)	91.55	83.55	76.59
233138CB	8451-1000-10⊕	1	1000' reel (black)	177.05	162.28	149.80
234062CB	8451-U500-10⊕	1	500' unreel box (black)	113.65	103.31	94.69
234061CB	8451-U1000-10⊕	1	1000' unreel box (blk)	202.85	185.95	171.62
447531CB	8451-U1000-08♠	1	1000' unreel box (gray)	126.35	124.65	123.85

Audio, Control, and Instrumentation Cables Non-Plenum (Cont'd)

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polypropylene insulation • PVC jacket
- Nominal capacitance: 111pF/m
- Nominal outer diameter: 0.135" • Color: gray



Part No.	Product No.	No. of Pairs	Description	1	5	10
232688CB	9451-100-08⊕	1	100' reel	$24.99	$22.49	$19.99
232696CB	9451-500-08⊕	1	500' reel	92.85	82.50	75.28
233411CB	9451-T1000-08⊕	1	1000' reel	147.99	143.13	135.97
447881CB	9451-U1000-10♠	1	1000' unreel box	151.79	137.89	124.09

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polyethylene insulation and chrome PVC jacket
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.175"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
234190CB	8761-500-60⊕	1	500' reel	$112.05	$101.59	$92.33
234189CB	8761-1000-60⊕	1	1000' reel	285.35	261.58	241.45
234192CB	8761-U500-60⊕	1	500' unreel box	150.25	134.42	126.51
234191CB	8761-U1000-60⊕	1	1000' unreel box	271.49	232.42	221.41

22 AWG stranded (7 x 30) shielded with 24 AWG stranded TC drain wire

- Polypropylene insulation
- Nominal capacitance: 115pF/m
- Nominal outer diameter: 0.168"
- Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
234179CB	8723-100-60⊕	2	100' reel	$30.19	$27.17	$24.15
234181CB	8723-500-60⊕	2	500' reel	153.45	139.18	126.47
234180CB	8723-1000-60⊕	2	1000' reel	263.19	241.32	222.72
234183CB	8723-U500-60⊕	2	500' unreel box	137.85	125.05	113.63
234182CB	8723-U1000-60⊕	2	1000' unreel box	324.59	306.79	289.79

20 AWG stranded (7 x 28) unshielded

- Chrome PVC jacket • Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	2	5
234171CB	8205-U500-60⊕	1	500' unreel box	$97.79	$80.93	$76.77
234170CB	8205-U1000-60⊕	1	1000' unreel box	223.35	204.74	188.99

20 AWG stranded (7 x 28) shielded with 22 AWG stranded TC drain wire

- Semi-rigid PVC insulation and overall chrome PVC jacket
- Nominal capacitance: 180pF/m
- Nominal outer diameter: 0.300" • Color: chrome



Part No.	Product No.	No. of Pairs	Description	1	5	10
234259CB	9402-100-60⊕	2	100' reel	$64.99	$62.49	$59.99
234261CB	9402-U500-60⊕	2	500' unreel box	409.29	381.99	354.70
234260CB	9402-1000-60⊕	2	1000' reel	944.85	865.45	798.82

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire

- Tinned copper, twisted pair • Color: chrome
- Polyethylene insulation with chrome PVC jacket
- Nominal capacitance: 79pF/m • Nominal outer diameter: 0.222"



Part No.	Product No.	No. of Pairs	Description	1	5	10
234184CB	8760-100-60⊕	1	100' reel	$34.99	$32.49	$29.99
447671CB	8760-250-60♠	1	250' reel	69.75	66.54	63.29
234186CB	8760-500-60⊕	1	500' reel	158.29	143.63	130.51
234185CB	8760-1000-60⊕	1	1000' reel	384.25	364.06	345.85
234188CB	8760-U500-60⊕	1	500' unreel box	112.89	107.22	103.84
234187CB	8760-U1000-60⊕	1	1000' unreel box	279.45	264.72	251.36

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Belden CDT Paired Line Level Analog Audio Cable

20 AWG stranded (7 x 28) with 20 AWG stranded TC drain wire



- Polyethylene insulation with chrome PVC jacket
- Nominal capacitance: 89pF/m
- Nominal outer diameter: 0.204"
- Color: chrome

Part No.	Product No.	No. of Pairs	Description	1	5	10
234194CB	8762-100-60	1	100' reel	$26.45	$24.79	$23.93
234196CB	8762-500-60	1	500' reel	146.05	138.32	130.64
234195CB	8762-1000-60	1	1000' reel	260.99	246.49	232.02
234198CB	8762-U500-60	1	500' unreel box	137.79	130.51	123.27
234197CB	8762-U1000-60	1	1000' unreel box	335.45	316.83	298.19

16 AWG stranded (19 x 29) shielded with 18 AWG stranded TC drain wire



- Polyethylene insulation
- Nominal capacitance: 75pF/m
- Nominal outer diameter: 0.313"
- Color: chrome

Part No.	Product No.	No. of Pairs	Description	1	5	10
233146CB	8719-100-60	1	100' reel	$59.99	$54.99	$49.99
233154CB	8719-500-60	1	500' reel	267.09	242.34	220.34
233162CB	8719-1000-60	1	1000' reel	443.85	418.46	393.10
234064CB	8719-U500-60	1	500' unreel box	198.65	180.24	163.88
234063CB	8719-U1000-60	1	1000' unreel box	579.05	545.91	512.83

14 AWG stranded (19 x 27) shielded with 16 AWG stranded TC drain wire



- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.355"
- Color: chrome

Part No.	Product No.	No. of Pairs	Description	1	5	10
233171CB	8720-100-60	1	100' reel	$59.99	$51.55	$48.97
233189CB	8720-500-60	1	500' reel	298.85	279.32	259.83
233197CB	8720-1000-60	1	1000' reel	621.75	578.37	563.91
234065CB	8720-U500-60	1	500' unreel box	416.99	389.78	362.59

Belden CDT Paired DataTwist® Category 5e UTP Cable

TIA/EIA – 568-B.2, unbonded-pair cable



- 4 pair unshielded • 24 AWG solid
- Maximum DCR per 100m – 9.38Ω
- Input impedance: 100Ω

1585A series:
- Plenum, FEP Teflon® insulation, Flamarrest® jacket • Nominal outer dia.: 0.200"

1583A series:
- Non-plenum, polyolefin insulation, PVC jacket • Nominal outer dia.: 0.214"

Part No.	Product No.	Color	Description	1	5	10
234092CB	1585A-100-877	Natural	100' reel	$29.99	$28.49	$26.99
234094CB	1585A-500-877	Natural	500' reel	129.99	114.99	99.99
234093CB	1585A-1000-877	Natural	1000' reel	199.99	189.99	179.99
234095CB	1585A-U1000-877	Natural	1000' unreel box	199.99	189.99	179.99
234096CB	1585A-U100-D15	Blue	100' unreel box	29.99	28.49	26.99
234098CB	1585A-U500-D15	Blue	500' unreel box	129.99	114.99	99.99
234097CB	1585A-U1000-D15	Blue	1000' unreel box	199.99	189.99	179.99
234089CB	1583A-100-06	Blue	100' reel	9.99	9.69	9.49
234176CB	1583A-500-06	Blue	500' reel	49.99	44.99	39.99
234090CB	1583A-1000-06	Blue	1000' reel	85.69	77.75	70.64
234091CB	1583A-U1000-06	Blue	1000' unreel box	85.69	77.75	70.64
447179CB	1583A-U1000-02♠	Red	1000' unreel box	70.15	66.36	62.56
447187CB	1583A-U1000-03♠	Orange	1000' unreel box	70.15	66.36	62.56
447195CB	1583A-U1000-04♠	Yellow	1000' unreel box	70.15	66.36	62.56
447208CB	1583A-U1000-05♠	Dk. green	1000' unreel box	70.15	66.36	62.56
447216CB	1583A-U1000-09♠	White	1000' unreel box	70.15	66.36	62.56
447224CB	1583A-U1000-10♠	Black	1000' unreel box	70.15	66.36	62.56
447232CB	1586A-U1000-F6H♠	Dk. gray	1000' unreel box	70.15	66.36	62.56

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Belden CDT Multi-Conductor Audio, Control, and Instrumentation Cables Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

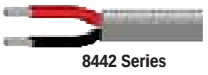


- Polyethylene insulation
- Nominal capacitance: 75pF/m
- Nominal outer diameter: 0.199" • Color: chrome

Part No.	Product No.	Conductors	Description	1	5	10
233234CB	8771-100-60	3	100' reel	$29.99	$25.95	$24.65
233242CB	8771-500-60	3	500' reel	112.35	106.46	100.55
233251CB	8771-1000-60	3	1000' reel	228.15	215.17	202.52
234067CB	8771-U500-60	3	500' unreel box	149.99	142.31	134.39
234066CB	8771-U1000-60	3	1000' unreel box	298.95	281.99	265.41

22 AWG stranded (7 x 30) unshielded

- PVC insulation • Color: chrome



8442 Series



8443 Series



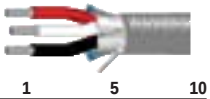
8444 Series



8445 Series

Part No.	Product No.	Conductors	Description	1	5	10
232995CB	8442-100-60	2	100' reel	$15.59	$14.27	$12.97
233007CB	8442-500-60	2	500' reel	62.65	59.36	56.06
233015CB	8442-1000-60	2	1000' reel	139.39	133.48	123.82
234054CB	8442-U500-60	2	500' unreel box	70.39	66.71	62.99
234053CB	8442-U1000-60	2	1000' unreel box	139.39	133.48	123.82
233023CB	8443-100-60	3	100' reel	19.05	17.30	15.71
233031CB	8443-500-60	3	500' reel	88.39	83.70	79.06
233040CB	8443-1000-60	3	1000' reel	199.15	188.12	174.51
234056CB	8443-U500-60	3	500' unreel box	94.59	89.58	84.62
234055CB	8443-U1000-60	3	1000' unreel box	199.15	188.12	174.51
233058CB	8444-100-60	4	100' reel	25.39	23.09	20.98
233066CB	8444-500-60	4	500' reel	112.35	106.36	100.47
233074CB	8444-1000-60	4	1000' reel	223.55	211.02	195.74
234058CB	8444-U500-60	4	500' unreel box	112.35	106.36	100.47
234057CB	8444-U1000-60	4	1000' unreel box	212.79	200.89	186.36
233082CB	8445-100-60	5	100' reel	32.69	29.55	26.87
233091CB	8445-500-60	5	500' reel	152.85	138.89	127.34
233103CB	8445-1000-60	5	1000' reel	267.45	252.51	234.27
234060CB	8445-U500-60	5	500' unreel box	190.49	173.14	158.74
234059CB	8445-U1000-60	5	1000' unreel box	374.65	353.75	328.19

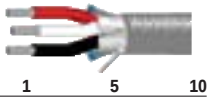
20 AWG stranded (7 x 28) shielded with 20 AWG stranded TC drain wire



- Polyethylene insulation and chrome PVC jacket
- Nominal capacitance: 89pF/m
- Nominal outer diameter: 0.218" • Color: chrome

Part No.	Product No.	Conductors	Description	1	5	10
234253CB	8772-U500-60	3	500' unreel box	$149.99	$136.36	$124.99
234252CB	8772-U1000-60	3	1000' unreel box	306.45	280.92	259.29

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire



- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.246" • Color: chrome

Part No.	Product No.	Conductors	Description	1	5	10
233200CB	8770-100-60	3	100' reel	$59.99	$54.99	$49.99
233218CB	8770-500-60	3	500' reel	210.09	190.59	173.18
233226CB	8770-1000-60	3	1000' reel	403.29	371.15	342.58
234083CB	8770-U500-60	3	500' unreel box	274.49	249.03	226.26
234082CB	8770-U1000-60	3	1000' unreel box	497.09	457.48	422.27

Commercial Customers

Open an account with us to consolidate your monthly billing and save time.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

General Cable Multi-Conductor Cable

Shielded Sound and Security Cable

- 2 conductors
- 18 AWG (7 x 26) stranded with tinned copper drain wire
- Flexguard® PVC jacket



Unshielded Communications and Control Cable

- Type: CM UL 2464
- 2 conductors
- 18 AWG (16 x 30) stranded
- PVC jacket



Foil Shielded Computer Cable

- Type: CMR UL 2464
- 9 conductors
- 24 AWG (7 x 32) stranded tinned copper with drain wire • PVC jacket



Carol® Brand Rubber Cord

- Type: 500W • 4 conductors
- 14 AWG (41 x 30) stranded
- 600V, 90˚C rating



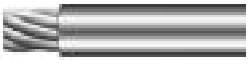
These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our General Cable Offering at www.Jameco.com/Prod/GeneralCable

Hook-Up Wire

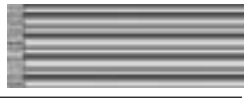
3079/3081 – Type B MIL-W-16878E

- 600V • PVC insulation
- Colors: White and yellow
- Operating temp: -20˚C to 105˚C
- 14 AWG (41 x 30) & 10 AWG (105 x 30) stranded



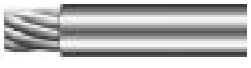
3533 – Type B UL Style 2713 MIL-W-16878E

- 22 AWG (19x34) stranded tinned copper
- UL rating: 300V; 80˚C



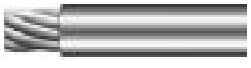
5877 – Type EE UL Style 1880 MIL-W-16878E

- 18 AWG (19 x 30) stranded
- TFE Teflon insulation
- Rating: 1000V; 200˚C
- Yellow



7133 – Type C UL 1430 MIL-W-16878E

- Irradiated PVC insulation
- 18 AWG (7 x 26) stranded tinned copper
- Rating: 1000V; 105˚C
- White



2855 – Type E UL 213 MIL-W-16878B

- TFE insulation
- 22 AWG solid silver plated copper
- Rating: 600V; 200˚C



1555/1560 – Type MW MIL-W-76B

- PVC insulation
- 18 AWG (16 x 30) and 12 AWG (65 x 30) stranded tinned copper
- Rating: 1000V; 80˚C • Yellow



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alpha Wire & Cable Offering at www.Jameco.com/Prod/AlphaHookupWire

Wire & Cable

3500 – Multi-Pair Low Capacitance Foil Braid Shielded Cable

- For RS-232/485 UL AWM Style 2919
- Operating temp: -20˚C to 80˚C
- 28 AWG (7 x 36) stranded
- 300V • 25 pairs
- Nominal capacitance: 11pF/ft.



6010C/6018C – Multi-Pair Communications & Control

- Individually foil shielded UL type CM
- 300V • 3 pairs
- Gray • PVC jacket
- 22 AWG (7 x 30) tinned copper with 22 AWG stranded tinned copper drain wire



1172C – Multi-Conductor Unshielded Communications & Control Cable

- UL AWM 2576 type CM
- 22 AWG (7 x 30) stranded tinned copper
- PVC jacket • Gray • 2 conductor



2411C – Multi-Conductor Foil Shield Communication & Control

- 20 AWG (7 x 28) stranded tinned copper with 20 AWG (10 x 30) stranded drain wire tinned copper
- Rating: 300V; 75˚C • 2 conductor
- PE insulation • PVC jacket (gray)



Xtra Guard® I Multi-Conductor, Unshielded Cable

- UL type CM, AWM 2464
- 24/20/18/16 AWG stranded tinned copper
- Rating: 300V; -20˚C to 80˚C
- PVC jacket



Xtra Guard® Multi-Conductor, Unshielded Flexible Cable

- UL AWM style 2587
- 14 AWG (41 x 30) stranded bare copper
- 5 conductors
- Oil resistant PVC jacket
- Rating: 600V; -5˚C to 90˚C



9504C – LAN UTP Cat 5 Cable

- Non-plenum
- Nominal impedance: 100Ω
- 24 AWG solid
- 4 pairs • PVC jacket



2168/2174 – Shielding Grounding Strap

- Tinned or silver plated copper braid
- 14 AWG and 9 AWG equivalent
- Nominal I.D.: 11/64" and 1/2"
- 168 or 528 ends



3580 – 0.050" Centers Flat Ribbon Cable

- UL style 2651 • PVC insulation
- Gray • 25 conductors
- Rating: 300V; -20˚C to 105˚C
- Nominal capacitance: 14pF/ft.
- Nominal impedance: 105Ω • Stranded tinned



537B – 3-Conductor Power Cord

- Unshielded right angle receptacle
- 125V @ 10A rated • 6'7"
- Black • SJT • 18/3



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alpha Wire & Cable Offering at www.Jameco.com/Prod/AlphaWire

Order Anytime, Day or Night

Our friendly sales department will take your order 24x7x365 by phone, fax, web or email. 1-800-831-4242

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

Call for OEM pricing

Solid Hook-Up Wire – 22 AWG



- Temp. range: -55°C to +105°C
- Passes UL VW-1 flame test
- MIL-W-16878D type B
- Weight: 100' (0.3 lbs.); 1000' (3.8 lbs.)
- For use with breadboards such as the JE20 series, pg 292

Part No.	Cross Ref. No.	Color	100 ft.	Part No.	Cross Ref. No.	Color	1000 ft.
36767CB	122BE/C ⊕	Blue	$5.49	36775CB	122BE/K ⊕	Blue	$39.99
36791CB	122BK/C ⊕	Black	5.49	36804CB	122BK/K ⊕	Black	39.99
36821CB	122G/C ⊕	Green	5.49	36839CB	122G/K ⊕	Green	39.99
36855CB	122R/C ⊕	Red	5.49	36863CB	122R/K ⊕	Red	39.99
36880CB	122W/C ⊕	White	5.49	36898CB	122W/K ⊕	White	39.99
36919CB	122Y/C ⊕	Yellow	5.49	36927CB	122Y/K ⊕	Yellow	39.99

UL 1430 Stranded Hook-up Wire



- Temperature rating: 105˚C
- Voltage: 300V
- Average wall thickness: 0.016
- 18/20 AWG
- **Sold in 100' rolls**

Part No.	Gauge	Color	Strands	Dia. (in.)	Dia. (mm)	1	10	25
307918CB	18 ⊕	Black	19 x 30	0.082	2.083	$15.95	$14.35	$12.49
307926CB	18 ⊕	Red	19 x 30	0.082	2.083	15.95	14.35	12.49
305015CB	18 ⊕	Orange	7 x 26	0.082	2.083	15.95	14.35	12.49
305023CB	18 ⊕	Yellow	7 x 26	0.082	2.083	15.95	14.35	12.49
304995CB	20 ⊕	Yellow	19 x 32	0.071	1.803	15.95	14.35	12.49
305007CB	20 ⊕	Gray	19 x 32	0.071	1.803	15.95	14.35	12.49
304979CB	20 ⊕	Blue	7 x 28	0.070	1.778	15.95	14.35	12.49
304987CB	20 ⊕	Gray	7 x 28	0.070	1.778	15.95	14.35	12.49
307897CB	20 ⊕	Black	7 x 28	0.070	1.778	15.95	14.35	12.49
307900CB	20 ⊕	Red	7 x 28	0.070	1.778	15.95	14.35	12.49

UL 1007 Stranded Hook-Up Wire

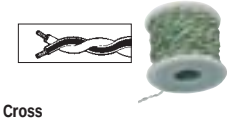


300 Volts

- 80°C
- PVC insulation
- Temperature range: -40°C to +80°C
- CSA: TR-64
- **Sold in 100' rolls**

Part No.	Cross Ref.	AWG	Color	Wt. (lbs.)	1	5	10
126084CB	223SBK/C ⊕	22 (7x30)	Black	0.4	$3.39	$3.19	$2.99
126033CB	223SR/C ⊕	22 (7x30)	Red	0.4	3.39	3.19	2.99
126076CB	223SW/C ⊕	22 (7x30)	White	0.4	3.39	3.19	2.99
310851CB	UL1007-22-GR-C ⊕	22 (7x30)	Green	1.0	3.39	3.19	2.99
310877CB	UL1007-22-YL-C ⊕	22 (7x30)	Yellow	1.0	3.39	3.19	2.99
310885CB	UL1007-22-BL-C ⊕	22 (7x30)	Blue	1.0	3.39	3.19	2.99
125840CB	203SBK/C ⊕	20 (10x30)	Black	0.6	4.95	4.75	4.49
125794CB	203SR/C ⊕	20 (10x30)	Red	0.5	4.95	4.75	4.49
125831CB	203SW/C ⊕	20 (10x30)	White	0.5	4.95	4.75	4.49
310893CB	UL1007-20-GR-C ⊕	20 (10x30)	Green	1.0	4.95	4.75	4.49
310914CB	UL1007-20-YL-C ⊕	20 (10x30)	Yellow	1.0	4.95	4.75	4.49
310922CB	UL1007-20-BL-C ⊕	20 (10x30)	Blue	1.0	4.95	4.75	4.49
125786CB	183SBK/C ⊕	18 (16x30)	Black	0.8	5.79	5.55	5.25
125735CB	183SR/C ⊕	18 (16x30)	Red	0.8	5.79	5.55	5.25
125751CB	183SW/C ⊕	18 (16x30)	White	0.8	5.79	5.55	5.25
310931CB	UL1007-18-GR-C ⊕	18 (16x30)	Green	1.0	5.79	5.55	5.25
310949CB	UL1007-18-YL-C ⊕	18 (16x30)	Yellow	1.0	5.79	5.55	5.25
310957CB	UL1007-18-BL-C ⊕	18 (16x30)	Blue	1.0	5.79	5.55	5.25

Twisted Pair Cable – 24 AWG



- PVC insulation
- Use for hook up wire
- Stranded tinned wire (7 x 32)
- Weight: 100' (0.5 lbs.); 1000' (4.7 lbs.)
- Reduced EMI
- 80°C
- 300 V

Part No.	Cross Ref. No.	Color	100 ft.	Part No.	Cross Ref. No.	Color	1000 ft.
105911CB	224GW/C ⊕	Green/white	$5.99	105806CB	224GW/K ⊕	Green/white	$44.99
173147CB	224RW/C ⊕	Red/white	5.99	173155CB	224RW/K ⊕	Red/white	44.99
173163CB	224BW/C ⊕	Black/white	5.99	173171CB	224BW/K ⊕	Black/white	44.99

Modular Telephone Cable – 28 AWG

NEW



- Color coded conductors
- Flat modular cable
- PVC jacket
- 7 x 43 stranded
- Gray

Part No.	Cross Ref. No.	Conductors	Length (ft.)	1	25	50
644666CB	300-840SL-100 ⊕	4	100	$3.49	$3.29	$3.09
644674CB	300-840SL-1000 ⊕	4	1000	29.99	28.49	27.05
644682CB	300-840SL-5000 ⊕	4	5000	139.99	132.99	126.35
644691CB	300-860SL-100 ⊕	6	100	7.49	6.75	6.09
644703CB	300-860SL-1000 ⊕	6	1000	49.99	47.49	45.09
644711CB	300-860SL-5000 ⊕	6	5000	234.99	223.25	211.99
644720CB	300-880SL-100 ⊕	8	100	9.99	9.49	8.99
644738CB	300-880SL-1000 ⊕	8	1000	61.99	58.89	55.95
644746CB	300-880SL-5000 ⊕	8	5000	264.99	251.75	239.15

Category 5e/5 Network Cable



118130CB

- 8C
- 4 twisted pairs
- UTP
- Insulation: polyethylene
- Nom. OD.: 0.189"
- Nom. impedance: 100Ω

Solid: uses modular plug P/N 119343CB, pg 106

Stranded: uses modular plug P/N 79281CB, pg 106

- **Prepackaged and priced in increments of 25', 100' or 1000'**

24 AWG UTP Category 5 Enhanced – 350MHz

NEW

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25
644543CB	10X5-701TH-25 ⊕	Solid	gray	25	$4.99	$4.75
644551CB	10X5-701TH-100 ⊕	Solid	gray	100	16.99	16.15
644560CB	10X5-701TH-1000 ⊕	Solid	gray	1000	99.99	94.99
645714CB	10X5-704TH-25 ⊕	Solid	blue	25	4.99	4.75
645722CB	10X5-704TH-100 ⊕	Solid	blue	100	16.99	16.15
645731CB	10X5-704TH-1000 ⊕	Solid	blue	1000	99.99	94.99
644578CB	10X5-801TH-25 ⊕	Stranded	gray	25	5.99	5.69
644586CB	10X5-801TH-100 ⊕	Stranded	gray	100	17.99	16.19
644594CB	10X5-801TH-1000 ⊕	Stranded	gray	1000	159.99	143.99
644607CB	10X5-804TH-25 ⊕	Stranded	blue	25	5.99	5.69
644615CB	10X5-804TH-100 ⊕	Stranded	blue	100	17.99	16.19
644623CB	10X5-804TH-1000 ⊕	Stranded	blue	1000	159.99	151.99
645749CB	10X5-805TH-25 ⊕	Stranded	red	25	5.99	5.69
645757CB	10X5-805TH-100 ⊕	Stranded	red	100	17.99	16.19
645765CB	10X5-805TH-1000 ⊕	Stranded	red	1000	159.99	143.99
645773CB	10X5-802TH-25 ⊕	Stranded	black	25	5.99	5.69
645781CB	10X5-802TH-100 ⊕	Stranded	black	100	17.99	16.19
645790CB	10X5-802TH-1000 ⊕	Stranded	black	1000	159.99	143.99
645802CB	10X5-806TH-25 ⊕	Stranded	yellow	25	5.99	5.69
645811CB	10X5-806TH-100 ⊕	Stranded	yellow	100	17.99	16.19
645829CB	10X5-806TH-1000 ⊕	Stranded	yellow	1000	159.99	143.99

24 AWG UTP Category 5 – 100MHz

- 7/32 AWG

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25
644631CB	GTP501-4P-GR-25 ⊕	Stranded	gray	25	$5.95	$5.65
644640CB	GTP501-4P-GR-100 ⊕	Stranded	gray	100	19.35	18.39
644658CB	GTP501-4P-GR-1000 ⊕	Stranded	gray	1000	164.49	156.25

Kynar™ Wire Wrap Wire – 30 AWG



22541CB

- Assorted color coded insulation
- Color coded Kynar™ (Polyvindene Fluoride) insulation
- Silver plated copper (solid conductor)
- Temperature: -40°C to +125°C
- Wire wrap tools, pg 281
- Used for prototyping
- UL 1423
- See pg 133 for sockets
- Passes UL VW-1 flame test

Part No.	Color	Wt. (lbs.)	100 ft.	Part No.	Color	Wt. (lbs.)	1000 ft.
22541CB	Blue ⊕	0.1	$4.99	22550CB	Blue ⊕	0.6	$29.99
22576CB	Black ⊕	0.1	4.99	22584CB	Black ⊕	0.6	29.99
22630CB	Red ⊕	0.1	4.99	22648CB	Red ⊕	0.6	29.99
22664CB	White ⊕	0.1	4.99	22672CB	White ⊕	0.6	29.99
22605CB	Green ⊕	0.1	4.99	22613CB	Green ⊕	0.6	29.99
22699CB	Yellow ⊕	0.1	4.99	22701CB	Yellow ⊕	0.6	29.99

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Call for OEM pricing

NEW

Multiconductor Shielded Computer Communication Cable – 24 AWG

- Stranded copper wire, multi-colored insulation
- Insulated with polyvinyl chloride (PVC)
- Voltage rating: 300V
- Color: gray
- 24 AWG (7 x 32 AWG)
- Drain wire
- Shielded 100% w/ aluminum mylar

A Jameco EXCLUSIVE


31843CB

- **Prepackaged and priced in increments of 25', 100' or 1000'**

Part No.	Cross Ref. No.	Conductors	Diameter	Length (ft.)	1	25
644383CB	SC4-25	4	0.20"	25	$4.75	$4.49
644391CB	SC4-100	4	0.20"	100	16.99	16.15
644404CB	SC4-1000	4	0.20"	1000	139.99	132.99
644412CB	SC9-25	9	0.23"	25	11.25	10.69
644421CB	SC9-100	9	0.23"	100	34.99	33.25
644439CB	SC9-1000	9	0.23"	1000	269.99	256.49
644447CB	SC15-25	15	0.28"	25	14.75	13.99
644455CB	SC15-100	15	0.28"	100	48.99	46.55
644463CB	SC15-1000	15	0.28"	1000	429.99	408.49
644471CB	SC25-25	25	0.37"	25	22.25	21.15
644480CB	SC25-100	25	0.37"	100	70.99	67.45
644498CB	SC25-1000	25	0.37"	1000	589.99	560.49

Multicolor Flat Ribbon Cable – 28 AWG

- Standard 10-color repeat sequence
- 28 AWG (7 x 36)
- Stranded copper wire
- Center spacing: 0.05"
- Voltage rating: 300V
- Temperature rating: -20°C to +80°C

A Jameco EXCLUSIVE


105718CB

- **Prepackaged and priced in increments of 10', 25', 100' or 500'**

Part No.	Cross Ref. No.	Conductors	Length (ft.)	1	25	50
639672CB	28RC10-10	10	10	$1.99	$1.95	$1.89
643508CB	28RC10-25	10	25	4.99	4.79	4.59
643516CB	28RC10-100	10	100	19.99	19.49	18.99
643524CB	28RC10-500	10	500	99.99	94.99	89.99
643532CB	28RC16-10	16	10	3.49	3.29	3.09
643541CB	28RC16-25	16	25	7.49	7.09	6.75
643559CB	28RC16-100	16	100	26.99	25.65	24.35
643567CB	28RC16-500	16	500	129.99	126.99	122.99
643575CB	28RC20-10	20	10	4.99	4.75	4.49
643583CB	28RC20-25	20	25	9.99	9.49	8.99
643591CB	28RC20-100	20	100	34.99	33.99	32.99
643604CB	28RC20-500	20	500	174.99	169.99	164.99
643612CB	28RC25-10	25	10	6.99	6.65	6.29
643621CB	28RC25-25	25	25	15.99	15.19	14.45
643639CB	28RC25-100	25	100	59.99	56.99	54.15
643647CB	28RC25-500	25	500	239.99	234.99	229.99
643655CB	28RC34-10	34	10	7.99	7.59	7.19
643663CB	28RC34-25	34	25	17.99	16.99	16.15
643671CB	28RC34-100	34	100	59.99	56.99	54.15
643680CB	28RC34-500	34	500	269.99	264.99	259.99
643698CB	28RC40-10	40	10	8.99	8.55	8.09
643701CB	28RC40-25	40	25	19.99	18.99	18.05
643719CB	28RC40-100	40	100	79.99	75.99	72.19
643727CB	28RC40-500	40	500	329.99	319.99	309.99
643735CB	28RC50-10	50	10	10.99	10.45	9.95
643743CB	28RC50-25	50	25	24.99	23.75	22.55
643751CB	28RC50-100	50	100	89.99	85.49	81.19
643760CB	28RC50-500	50	500	399.99	389.99	379.99

2-Conductor Power/Speaker Cable – 24 AWG

- Black wire with white polarity stripe
- Temperature rating: 20°C to 60°C
- Stranded copper wire (7 x 32)
- Operating voltage: 300V

A Jameco EXCLUSIVE



Part No.	Cross Ref. No.	Wt. (lbs.)	100 ft.	Part No.	Cross Ref. No.	Wt. (lbs.)	100 ft.
100280CB	224BK/C	0.8	$5.59	100298CB	224BK/K	7.8	$44.99

Gray Flat Ribbon Cable – 28 AWG

- Single edge red stripe for pin 1 orientation
- Insulation: polyvinyl chloride (PVC)
- Center spacing: 0.05"
- Temp. rating: -20°C to +80°C
- 28 AWG (7 x 36)
- Voltage rating: 300V
- Stranded copper wire



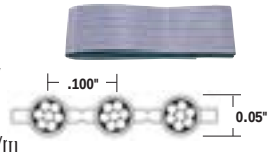
A Jameco EXCLUSIVE

- **Prepackaged and priced in increments of 10', 25', 100' or 500'**

Part No.	Cross Ref. No.	Conductors	Length (ft.)	1	25	50
643794CB	171-10-10	10	10	$1.49	$1.39	$1.29
643807CB	171-10-25	10	25	3.19	3.09	2.99
643815CB	171-10-100	10	100	11.49	10.99	10.49
643823CB	171-10-500	10	500	47.49	45.09	42.79
643831CB	171-16-10	16	10	2.19	2.09	1.99
643840CB	171-16-25	16	25	4.99	4.49	3.99
643858CB	171-16-100	16	100	15.99	14.99	13.99
643866CB	171-16-500	16	500	69.99	64.99	59.99
643874CB	171-20-10	20	10	3.99	3.79	3.59
643882CB	171-20-25	20	25	6.25	5.99	5.69
643891CB	171-20-100	20	100	15.99	15.49	14.99
643903CB	171-20-500	20	500	79.99	75.99	72.19
643911CB	171-25-10	25	10	3.89	3.79	3.69
643920CB	171-25-25	25	25	8.75	8.29	7.85
643938CB	171-25-100	25	100	24.99	23.75	22.55
643946CB	171-25-500	25	500	109.99	99.99	94.99
643962CB	171-26-10	26	10	3.49	3.29	3.09
643971CB	171-26-25	26	25	7.99	7.59	7.19
643989CB	171-26-100	26	100	24.99	23.69	22.49
643997CB	171-26-500	26	500	119.99	114.99	109.99
644033CB	171-34-10	34	10	4.25	3.99	3.79
644041CB	171-34-25	34	25	9.25	8.79	8.35
644050CB	171-34-100	34	100	31.99	30.39	28.85
644068CB	171-34-500	34	500	119.99	109.99	104.99
644076CB	171-37-10	37	10	5.89	5.59	5.29
644084CB	171-37-25	37	25	11.75	11.15	10.59
644092CB	171-37-100	37	100	34.99	33.25	31.59
644105CB	171-37-500	37	500	149.99	142.49	135.35
644113CB	171-40-10	40	10	7.39	6.99	6.65
644121CB	171-40-25	40	25	17.49	16.59	15.75
644130CB	171-40-100	40	100	47.99	45.59	43.29
644148CB	171-40-500	40	500	214.99	204.19	193.99
644156CB	171-50-10	50	10	6.75	6.39	6.05
644164CB	171-50-25	50	25	14.49	13.75	13.05
644172CB	171-50-100	50	100	48.99	46.55	44.19
644181CB	171-50-500	50	500	209.99	199.49	189.49
644199CB	171-60-10	60	10	8.95	8.49	8.05
644201CB	171-60-25	60	25	19.75	18.75	17.79
644210CB	171-60-100	60	100	64.99	61.75	58.65
644228CB	171-60-500	60	500	284.99	270.75	257.19

.100" (2.54mm) Flat Ribbon Cable

- 10-conductor 24 AWG stranded
- Insulation material: 7mm polyvinyl chloride (PVC) gray
- Rated temp.: 105°C
- Rated voltage: 300V
- Dielectric strength: 2kV in 1 min.
- Insulation resistance: 100MΩ
- Capacitance: 31pF/m
- Inductance: 1.45µH/m



Part No.	Cross Ref.	Length (Ft.)	1	10	25
363813CB	H24G-10-10	10	$8.99	$8.49	$7.99
363821CB	H24G-10-25	25	19.99	18.99	17.99
363856CB	H24G-10-100	100	69.99	64.99	59.99
363864CB	H24G-10-250	250 reel	199.99	174.99	149.99

Our goal is to provide you with more of what you want.
Let us know how we can better serve your electronics needs.
Please send requests to NewProducts@Jameco.com

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

RG Type Bulk Coaxial Cable

JAMECO ValuePro

A Jameco EXCLUSIVE



NEW

RG58/U & RG58A/U (50Ω): Nom. cap.: 27pF/ft.; center resist.: 10.4Ω/1000ft. @ 77˚F
- For ethernet, oscilloscopes

RG59/U (75Ω): Nominal capacitance: 19pF/ft.; center resist.: 16.5Ω/1000ft. @ 77˚F
- For CATV & video patch cords

RG174/U (50Ω): Nominal capacitance: 30.8pF/ft.; center resist.: 97Ω/1000ft. @ 77˚F
- For ethernet, oscilloscopes

Part No.	Cross Ref No.	Type	Description	AWG	Length	1	25	50
644754CB	RG58/U-100 ⊕	RG58/U	Solid	20	100'	$11.99	$11.39	$10.79
644762CB	RG58/U-1000 ⊕	RG58/U	Solid	20	1000'	108.49	103.05	97.89
644771CB	10X1-041TH-100 ⊕	RG58A/U	Stranded	20	100'	18.99	17.99	17.09
644789CB	10X1-041TH-1000 ⊕	RG58A/U	Stranded	20	1000'	149.99	142.49	135.35
644797CB	RG59/U-100 ⊕	RG59/U	Solid	22	100'	12.99	12.35	11.75
644800CB	RG59/U-1000 ⊕	RG59/U	Solid	22	1000'	109.99	104.49	99.25
644818CB	RG174/U-100 ⊕	RG174/U	Stranded	26	100'	18.99	17.99	17.09
644826CB	RG174/U-1000 ⊕	RG174/U	Stranded	26	1000'	168.99	160.55	152.49

Disk Drive Cables

Quantity SAVE



185084CB 32918CB 185076CB 72805CB 175492CB

Part No.	Description	Cable Length	1	10	100
185084CB	34-pin header socket ribbon cable for floppy drive ⊕	25"	$1.19	$.99	$.75
32918CB	34-pin header socket ribbon cable for floppy to card ⊕	23"	3.49	2.97	2.22
355637CB	40-pin IDE hard drive cable to card ⊕	11.5"	.89	.86	.83
185076CB	40-pin IDE hard drive cable to card ⊕	14"	.95	.71	.53
32686CB	40-pin IDE hard drive cable to card ⊕	18"	.95	.90	.85
72805CB	Two 40-pin header socket ribbon cable for IDE drive ⊕	18"	3.69	3.14	2.35
175492CB	40-pin header socket ribbon cable for ultra DMA66/100 ⊕	17"	6.95	6.25	5.49

Internal and External SCSI Cables for Complete Connectivity



32715CB 137550CB 118076CB

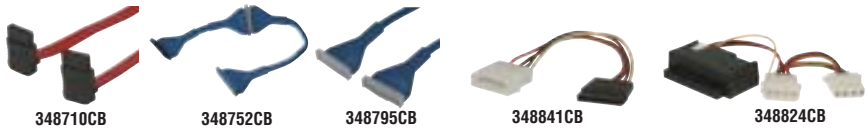
- For PC/XT/AT and compatibles
- All lines connected

Part No.	Description	1	10	100
32715CB	50-pin header socket ribbon cable SCSI-I (18") ⊕	$3.95	$3.49	$2.95
137550CB	68-pin header internal ribbon cable SCSI-III (27") ⊕	12.49	11.25	10.15
118076CB	Male HPDB50 to male HPDB50 SCSI-II to SCSI-II (6') ⊕	17.95	15.95	13.95

Internal Serial ATA, ATA-133 & Floppy Drive Cables

JAMECO ValuePro

Flat ribbon cables blocks airflow within a computer system, but with round internal cables, it will improve internal airflow in any computer system.



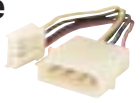
348710CB 348752CB 348795CB 348841CB 348824CB

348824CB Includes: converter unit, power and serial ATA cables

Part No.	Description	Length	1	10	25
348710CB	Round Serial ATA cable, 90˚, red, 7-pin ⊕	19.9"	$4.69	$4.11	$3.91
348744CB	Round Serial ATA cable, 90˚, red, 7-pin ⊕	39.4"	5.89	5.21	4.95
348728CB	Round Serial ATA cable, 180˚, red, 7-pin ⊕	19.9"	4.69	4.11	3.91
348736CB	Round Serial ATA cable, 180˚, red, 7-pin ⊕	39.4"	5.89	5.21	4.95
348752CB	Round ATA-133/IDE cable, dual 40-pin, blue ⊕	18"	4.69	4.27	4.05
348761CB	Round ATA-133/IDE cable, dual 40-pin, black ⊕	18"	4.69	4.27	4.05
348779CB	Round ATA-133/IDE cable, dual 40-pin, blue ⊕	24"	5.45	5.12	4.87
348787CB	Round ATA-133/IDE cable, dual 40-pin, black ⊕	24"	5.45	5.12	4.87
348795CB	Round floppy drive cable, 34-pin, blue ⊕	18"	6.59	6.59	5.77
348808CB	Round floppy drive cable, 34-pin, black ⊕	18"	6.59	6.07	5.77
348816CB	Round floppy drive cable, 34-pin, blue ⊕	24"	7.69	7.21	6.85
348841CB	Serial ATA power cable extension, 15-pin to 4-pin, 18 AWG ⊕	6"	2.79	2.56	2.43

Part No.	Description	1	10
348824CB	IDE to serial ATA converter, 40-pin HDD to serial ATA ⊕	$28.99	$27.55

3.5" Disk Drive Power Adapter Cable



- IBM PC/XT and higher compatibles
- Allows connection of standard 3.5" disk drives to power supplies

Part No.	Length	AWG	1	10	100
28396CB	3.5" ⊕	22	$2.49	$2.25	$1.95

3.5" & 5.25" Disk Drive Power Splitters



28353CB

- IBM PC/XT and higher compatibles
- Splits 4-line Molex male into 2 females

Part No.	Drive	AWG	Length	1	10	100
28353CB	5.25" ⊕	18	5"	$2.95	$2.69	$2.39
277528CB	5.25" ⊕	20	6"	2.85	2.59	2.25
72303CB	3.5" ⊕	22	5"	2.75	2.49	2.19

AT/ATX Power Supply Extension Cables

348891CB
- For use with 12-pin AT power supplies



348891CB

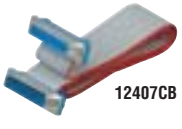
326490CB/170237CB
- For use with ATX power supplies
- 20-pin ATX male and female connectors
- Color coded to ATX power supply



170237CB

Part No.	Length	AWG	1	10	100
348891CB	9.75" ⊕	18	$1.89	$1.78	$1.69
326490CB	13" ⊕	18	5.35	5.09	4.79
170237CB	15" ⊕	18	5.95	5.65	5.35

Ribbon Cable Assemblies



12407CB

- Metal connector
- 300V rating
- 105°C rating
- 28 AWG flat cable
- Tin-plated contacts

Part No.	Description	1	10	100
12407CB	4' DB25 M-F ⊕	$4.49	$3.95	$3.59
208581CB	6' DB9 M-F ⊕	3.95	3.55	3.19

PC/XT/AT & PS/2 Keyboard Extension Cables

- Color: beige

Quantity SAVE

114981CB/112045CB/:
- 5-pin DIN male-to-female

28548CB/111053CB:
- 6-pin mini DIN female-to-male



114981CB

Part No.	Description	1	10	100
114981CB	PC/XT/AT 6' non-coiled ⊕	$1.99	$1.69	$1.27
112045CB	PC/XT/AT 10' non-coiled ⊕	3.95	3.36	2.52
28548CB	PS/2 6' non-coiled ⊕	4.35	3.89	3.49
111053CB	PS/2 10' non-coiled ⊕	5.49	4.99	4.39

Dual PS/2 Adapter

Converts a dual PS/2 female to a single PS/2 male.



- Size: 1.9"L x 1.2"W

Part No.	Description	1	10	100
319791CB	PS/2 adapter ⊕	$2.75	$2.59	$2.45

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

AT-to-PS/2 and PS/2-to-AT Keyboard Adapter Cables



28003CB/319783CB:
- Connects AT-type keyboards to PS/2
- 5-pin female DIN to 6-pin male mini DIN

310789CB:
- Connects PS/2 keyboard to AT
- 6-pin female mini DIN to 5-pin male DIN connectors

Part No.	Length	Color	1	10	100
319783CB	4.5" ⊕	Black	$2.45	$2.19	$1.99
28003CB	6.5" ⊕	Beige	3.95	3.49	3.15
310789CB	7.5" ⊕	Beige	3.95	3.49	3.15

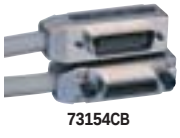
IEEE 1284 Parallel/ Serial High Speed Cables



Compatible with bidirectional communication data flow resulting in speeds up to 10 times faster than conventional applications.
- Double shielded with 28 AWG stranded twisted pair inner conductors • Weight: 0.6 lbs.
- Molded shells, PVC plastic
- Color: beige (P/N 130067CB/319767CB); black (P/N 161630CB); gray (P/N 223845CB)

Part No.	Description	1	10
130067CB	6' DB25 M-Cent. parallel 36M ⊕	$11.95	$10.95
319767CB	6' DB25 M-Cent. parallel 36M ⊕	4.95	4.69
223845CB	6' DB25 M-Cent. parallel 36M ⊕	11.95	10.95
161630CB	10' DB25 M-M serial cable ⊕	14.95	13.49

IEEE 488 Cables



A variety of cable lengths are offered to ensure that IEEE system requirements are met (20 meters maximum length with a maximum of 15 devices). These cables are standard IEEE 488 with stackable 24-pin GPIB connectors on both ends. • Color: gray

Part No.	Description	Wt. (lbs.)	1	10	25
73154CB	1 meter ⊕	0.8	$36.49	$32.79	$29.49
115781CB	2 meter ⊕	1.2	37.95	34.19	30.95
115801CB	4 meter ⊕	2.0	38.95	36.19	31.95

Serial Null Modem Cables

- Molded type connectors
- Color: gray



181403CB/180697CB Pin outs: 1 & 6-4, 2-3, 3-2, 4-6 & 1, 5-5, 7-8, 8-7



181438CB Pin outs: 2-2; 3-3; 5 & 6-4; 7-5; 8-7; 20-6 & 8 (Serial printer null modem)

180582CB Pin outs: 2-2; 3-3; 4-5 & 6; 5-7; 6 & 8-20; 7-8; (Serial printer null modem)



180742CB Pin outs: 1-4 & 5; 2-2; 3-3; 4-6; 5-7; 6-20; 7-8; 8-8

Part No.	Description	Wt. (lbs.)	1	10	50
181403CB	6' DB9 F to DB9 F ⊕	0.3	$5.69	$5.09	$4.59
180697CB	10' DB9 F to DB9 F ⊕	0.4	6.79	6.09	5.49
181438CB	6' DB25 M to DB9 F ⊕	0.4	4.95	4.49	3.95
180582CB	10' DB25 M to DB9 F ⊕	0.4	6.69	6.05	5.45
180742CB	10' DB25 F to DB9 F ⊕	0.5	7.39	6.65	5.99

RGB Video Cables



- 75Ω coaxial cable; 6' or 10'
- Pin 1 red, pin 2 green, pin 3 blue, pin 14 white/black vertical, pin 13 gray horizontal
- 5 BNCs to HDDB15-pin male • Weight: 0.9 lbs.

Part No.	Description	1	10	25
73648CB	6' cable (black) ⊕	$19.95	$16.99	$12.75
118068CB	10' cable (black) ⊕	23.35	19.85	14.89

VGA Monitor Cables



- Connects video card to VGA monitor
- IBM PC/XT and higher compatibles
- HDDB15 male to male

Part No.	Description	1	10	100
66173CB	6' monitor cable ⊕	$6.49	$5.89	$5.29
148523CB	10' monitor cable ⊕	6.95	6.25	5.59

9-Pin Monitor Cable



- For monochrome, RGB, EGA and multisync monitors
- Connects video card to monitor
- IBM PC/XT and higher compatibles

Part No.	Description	1	10	100
66157CB	6' DB9 M-M ⊕	$4.45	$3.95	$3.55

VGA Monitor Extension Cables



- Extends VGA monitor cable; HDDB15 male-to-female
- IBM PC/XT and higher compatibles

134041CB: • HDDB15 female w/ hex nuts and HDDB15 male w/ thumbscrews

66165CB/148531CB/ 355661CB:
- Thumbscrews on each end

Part No.	Description	1	10	100
134041CB	6' screws/hex nuts ⊕	$4.49	$3.95	$3.49
66165CB	6' thumbscrews ⊕	6.59	5.95	5.35
148531CB	10' thumbscrews ⊕	7.49	6.79	5.99
355661CB	10' thumbscrews	5.49	3.94	3.39

DA15 Extension Cables



- Molded connectors
- Straight through
- Thumbscrews
- Color: gray (**237032CB**: black)

Part No.	Description	Length	1	10	100
181286CB	DA15 M-M ⊕	6'	$5.49	$4.95	$4.45
181358CB	DA15 M-F ⊕	6'	5.49	4.95	4.45
237032CB	DA15 M-F ⊕	8'	6.99	5.95	4.45

Macintosh® Printer Cables

JAMECO ValuePro



Part No.	Description	1	10	50
10604CB	6' mini DIN8M ⊕	$3.29	$3.15	$2.99
130024CB	10' mini DIN8M ⊕	5.99	5.39	4.85

DB25-to-Centronics Parallel Printer Cables

Quantity SAVE





- Molded and fully shielded DB25 male and 36-pin Centronics male connectors
- IBM PC/XT and higher compatibles

Part No.	Description	Wt. (lbs.)	1	10	100
28716CB	6' straight ⊕	0.4	$3.95	$3.56	$3.20
223845CB	6' straight† ⊕	0.6	11.95	10.95	9.75
123781CB	10' straight ⊕	0.6	5.95	5.09	3.79
164777CB	10' rt. angle* ⊕	0.7	4.95	4.45	3.95
28708CB	15' straight ⊕	0.8	5.95	5.09	3.79
101899CB	25' straight ⊕	1.1	5.95	5.06	3.79

* Centronics right angle † IEEE 1284

37-Pin Straight Through Cable Adapters



- Molded connectors • Color: gray • Weight: 0.9 lbs.

Part No.	Description	1	10	100
180611CB	6' DC37 M-M ⊕	$6.95	$6.29	$5.65
181294CB	6' DC37 M-F ⊕	5.95	5.49	4.95

Monitor/Mouse/Keyboard Cables



- 6' or 32'
- HDDB15 male/female for monitor, 5-pin DIN male/female for keyboard, and DB9 male/female for mouse

Part No.	Description	Wt. (lbs.)	1	10
141284CB	6' cable ⊕	1.6	$22.95	$19.95
141276CB	32' cable ⊕	4.8	39.95	35.95

Switch Box Adapter Cables



177261CB: Male to male non-coiled cable for P/N 79177CB switch box, pg 248

114913CB: Male to male coiled cable for P/N 114155CB switch box, pg 248

174772CB: Male to male

174908CB/205655CB: Male to male non-coiled

112627CB: Male to male non-coiled cable for P/N 79177CB switch box, pg 248

Quantity SAVE



Part No.	Description	Length	1	10	50
114913CB	5-pin DIN ⊕	5' (gray)	$4.95	$4.21	$3.16
177261CB	6-pin mini DIN ⊕	2' (gray)	2.95	2.55	1.89
174772CB	6-pin mini DIN ⊕	6' (black)	4.95	4.25	3.19
174908CB	6-pin mini DIN ⊕	6' (gray)	5.75	5.15	4.65
112627CB	6-pin mini DIN ⊕	10' (beige)	7.95	7.25	6.49
205655CB	6-pin mini DIN ⊕	25' (beige)	8.95	7.95	6.95



Looking For Cable Testers?
See page 249



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

DB9 Extension Cables


132345CB


25700CB

- All lines connected straight through

132345CB/196365CB:
DB9 female to DB9 female cable with thumbscrews
199638CB/25700CB/148515CB:
DB9 male to DB9 female cable with thumbscrews
181665CB: DB9 male to DB9 male cable

Part No.	Description	1	10	100	1000
132345CB	6' F-F ⊕	$4.95	$4.49	$3.95	$3.49
199638CB	6' M-F (blk) ⊕	4.49	3.95	3.49	2.95
25700CB	6' M-F ⊕	4.95	4.49	3.95	3.49
196365CB	10' F-F ⊕	6.95	6.25	5.59	4.95
148515CB	10' M-F ⊕	7.49	6.79	5.99	4.95
181665CB	10' M-M ⊕	6.95	6.25	5.59	4.95

9-Pin Test Cable



- DB9 M to DB9 F (6')
- Pin outs: 1-3, 2-2, 4-5

Quantity SAVE

Part No.	Description	1	10	100
162915CB	DB9 male to DB9 female	$2.95	$2.51	$1.88

DB9-to-DB25 AT-Adapter Serial Cables


31721CB

- For DB9 serial ports which need to be converted to DB25 serial
- AT and compatibles
- Molded DB9 female to DB25 male connectors

Part No.	Description	1	10	100
109583CB	1' serial, beige ⊕	$4.35	$3.95	$3.49
189333CB	3' serial, beige ⊕	3.95	3.39	2.55
207790CB	4' serial, beige ⊕	2.35	2.15	1.95
31721CB	6' serial, beige ⊕	3.89	3.55	3.15
191361CB	6' serial, gray ⊕	4.39	3.99	3.15
155521CB	10' serial, beige ⊕	3.95	3.55	3.15

DB25 Extension Cables


67256CB

- All lines connected straight through
- Use to lengthen your standard serial cable or for switch box applications
- Thumbscrews to secure connectors
- Color: gray; except P/Ns **174001CB/175290CB:** black*

Part No.	Description	Wt. (lbs.)	1	10	50	100
174001CB	3' M-M ⊕ *	0.6	$4.79	$4.35	$3.89	$3.49
401138CB	3' M-M ⊕	0.4	4.45	4.25	3.99	3.79
65787CB	6' M-M ⊕	0.5	6.49	5.89	5.29	4.89
39538CB	10' M-M ⊕	0.7	6.95	6.29	5.05	3.69
179979CB	15' M-M ⊕	1.2	6.95	6.26	5.63	5.07
67070CB	25' M-M ⊕	1.4	10.95	9.95	8.95	7.95
180435CB	50' M-M ⊕	3.6	14.95	13.49	11.95	9.95
164291CB	3' M-F ⊕	0.4	4.29	3.89	3.49	2.95
175290CB	3' M-F ⊕ *	0.4	2.95	2.69	2.25	1.59
163133CB	5' M-F ⊕	0.6	5.29	4.75	4.29	3.85
67256CB	6' M-F ⊕	0.6	6.45	5.79	5.25	4.69
39511CB	10' M-F ⊕	0.7	6.95	6.26	5.63	4.61
177279CB	15' M-F ⊕	1.0	9.49	8.55	7.69	6.25
101995CB	25' M-F ⊕	1.4	11.95	10.79	9.69	7.95
181201CB	50' M-F ⊕	3.2	17.95	14.39	10.79	8.09
224266CB	6' F-F ⊕	0.7	4.95	3.95	2.95	2.09

USB-A Cables with Bracket


144813CB

- Supports data transfer rates of 12Mbps
- Allows connection of two devices
- Dual USB-A female connectors
- 8" long

Part No.	Description	1	10	25
144813CB	Female panel mount ⊕	$3.95	$3.75	$3.55
319652CB	Male panel mount ⊕	3.95	3.75	3.55

USB-to-Centronics Printer Cable

SALE



- Full compliance with the USB spec V.1.0
- USB-A male to 36-pin male centronics connector
- Supports true bidirectional communication
- Applicable to standard and bidirectional printers

Part No.	Description	1	10	25
155352CB	6' USB cable ⊕	$23.75	$22.56	$21.43

USB to Serial Adapter with Prolific Chipset



This USB serial adapter provides an external Plug-and-Play RS-232 port for computers, notebooks, laptops, and handheld computing devices. Provides high-quality serial connections at transfer rates of more than 500kbps.

- Frees existing RS-232 ports for other uses
- Supports RS-232 serial interface, automatic hand-shake mode, remote wake-up & power management
- Provides a 96-byte buffer for each upstream and downstream data transfer • Weight: 1.5 lbs.
- Full compliance with USB specification v.1.1
- 7" cable with DB25 male connector and 14" cable with USB-A connector • Size: 2.7"L x 1.6"W x 0.7"H

System requirements: Windows®98/2000, USB host controlled installed in the system

Includes: 3.5" software and manual

Part No.	Description	1	5
213006CB	USB-A to serial converter ⊕	$29.95	$27.95

IEEE 1394 Firewire Cables


175821CB 175839CB 175847CB

Connect your computer to the latest high speed Firewire peripherals.

- IEEE-1394 compliant • UL approved
- Molded connectors

4-pin Male to 4-pin Male

Part No.	Description	1	10	25
222631CB	3' cable black ⊕	$4.99	$4.45	$3.95
175821CB	6' cable black ⊕	5.59	5.05	4.55
222244CB	10' cable black ⊕	6.99	6.25	5.65
222252CB	15' cable black ⊕	8.59	7.75	6.95

4-pin Male to 6-pin Male

Part No.	Description	1	10	25
222623CB	3' cable black ⊕	$4.99	$4.45	$3.95
175839CB	6' cable black ⊕	5.59	5.05	4.55
222228CB	10' cable black ⊕	6.99	6.25	5.65
222236CB	15' cable black ⊕	8.59	7.75	6.95

6-pin Male to 6-pin Male

Part No.	Description	1	10	25
222615CB	3' cable black ⊕	$4.99	$4.45	$3.95
175847CB	6' cable black ⊕	5.59	5.05	4.55
222201CB	10' cable black ⊕	6.99	6.25	5.65
222210CB	15' cable black ⊕	8.59	7.75	6.95

USB-to-DB9 Serial Adapter



- USB-A to DB9 male
- Length: 13"
- Supports automatic handshake mode
- Over 230kbps data transfer rate
- 96 byte buffer each for upstream and downstream data flow
- Works with cellphones, PDA, digital cameras, modems and ISDN terminal adapters

Part No.	Description	1	10
387954CB	USB-A to DB9	$17.95	$16.15

Flexible USB Cable and Adapter


262078CB
262158CB

FlexUSB™ is a compact, lightweight accessory that bends, rotates, and flexes to your desired angle. It provides a means to position USB devices, allowing you to use it with any computer, even in the most cramped environment. Its unique ratcheting design makes it possible to position your USB devices that are compatible with both Windows® and MAC platforms.

Part No.	Description	1	5
262078CB	Flexible USB adapter A M-F ⊕	$10.95	$9.85
262158CB	Flexible USB cable with A-M to B-M connectors ⊕	11.95	10.85

Flexible USB cables and adapters make plugging in cables an ease, especially in tight spots!

USB Gender Adapters


316806CB


316822CB

Part No.	Description	Dimensions	1	10	25
321251CB	USB-A male to USB-A male ⊕	1.9"L x 0.6"W	$2.79	$2.65	$2.39
169383CB	USB-A male to USB-B female ⊕	1.3"L x 0.4"W	2.69	2.49	2.25
169375CB	USB-A female to USB-B male ⊕	1.7"L x 0.6"W	2.69	2.49	2.25
316806CB	USB-A female to USB-A female ⊕	1.5"L x 0.7"W	2.69	2.49	2.25
321699CB	USB-B male to USB-B male ⊕	2.0"L x 0.4"W	2.79	2.65	2.49
316822CB	USB-B female to USB-B female ⊕	1.4"L x 0.7"W	2.69	2.49	2.25

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

USB 2.0 Cables



USB-A (M) to USB-A (M) | USB-A (M) to USB-B (M) | USB-A (M) to USB-A (F)

- Higher transfer rate up to 480Mbps
- Backward compatible w/ USB 1.1 pro

USB-A Male to USB-A Male

Part No.	Description	1	10	25
326473CB	3' cable beige ⊕	$1.55	$1.39	$1.29
229681CB	6' cable beige ⊕	1.65	1.49	1.39
222033CB	6' cable black ⊕	1.65	1.49	1.39
229551CB	6' cable clear ⊕	1.65	1.49	1.39
229690CB	10' cable beige ⊕	1.89	1.75	1.65
222041CB	10' cable black ⊕	1.89	1.75	1.65
229569CB	10' cable clear ⊕	1.89	1.75	1.65
229702CB	15' cable beige ⊕	2.85	2.59	2.49
222050CB	15' cable black ⊕	2.85	2.59	2.49
229577CB	15' cable clear ⊕	2.85	2.59	2.49

USB-A Male to USB-B Male

Part No.	Description	1	10	25
229711CB	3' cable beige ⊕	$1.55	$1.39	$1.29
222607CB	3' cable black ⊕	1.55	1.39	1.29
229585CB	3' cable clear ⊕	1.55	1.39	1.29
229729CB	6' cable beige ⊕	1.65	1.49	1.39
222009CB	6' cable black ⊕	1.65	1.49	1.39
229593CB	6' cable clear ⊕	1.65	1.49	1.39
229737CB	10' cable beige ⊕	1.89	1.75	1.65
222017CB	10' cable black ⊕	1.89	1.75	1.65
229606CB	10' cable clear ⊕	1.89	1.75	1.65
229761CB	15' cable beige ⊕	2.85	2.59	2.49
222025CB	15' cable black ⊕	2.85	2.59	2.49
229614CB	15' cable clear ⊕	2.85	2.59	2.49

USB-A Male to USB-A Female

Part No.	Description	1	10	25
326481CB	3' cable beige ⊕	$1.55	$1.39	$1.29
229770CB	6' cable beige ⊕	1.65	1.49	1.39
222068CB	6' cable black ⊕	1.65	1.49	1.39
229622CB	6' cable clear ⊕	1.65	1.49	1.39
229788CB	10' cable beige ⊕	1.89	1.75	1.65
222076CB	10' cable black ⊕	1.89	1.75	1.65
229631CB	10' cable clear ⊕	1.89	1.75	1.65
229796CB	15' cable beige ⊕	2.85	2.59	2.49
222084CB	15' cable black ⊕	2.85	2.59	2.49
229649CB	15' cable clear ⊕	2.85	2.59	2.49

USB 1.1 Cables

USB-A Male to USB-B Male

Quantity SAVE



Part No.	Description	1	10	25
308726CB	5' cable (black) ⊕	$2.99	$2.54	$1.91
169359CB	6' cable ⊕	4.95	4.49	3.95

USB Keyboard Adapter

USB to PS/2

- USB-A female to 6-pin mini DIN male (PS/2)

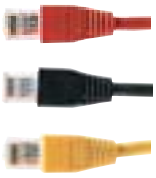


Part No.	Description	1	10	25
316831CB	USB-A to PS/2 ⊕	$1.79	$1.59	$1.39

Category 5e/5 Network Cables

- UTP
- 8P8C
- 4 pair
- 24 AWG (7 x 43) stranded
- "Snagless" boot
- Color coded for easy wire tracing
- High-flexibility
- Achieve optimum system performance





Category 5e (350MHz)

Part No.	Length	Color	1	10	100
168292CB	3 ft. ⊕	Gray	$1.79	$1.49	$1.39
168305CB	7 ft. ⊕	Gray	2.99	2.59	2.39
168313CB	15 ft. ⊕	Gray	5.29	4.39	3.99
168321CB	25 ft. ⊕	Gray	7.99	6.79	6.39
201777CB	3 ft. ⊕	Red	1.79	1.49	1.39
201785CB	7 ft. ⊕	Red	2.99	2.59	2.39
201793CB	15 ft. ⊕	Red	6.95	5.95	4.45
201806CB	25 ft. ⊕	Red	7.99	6.79	6.39
201697CB	3 ft. ⊕	Black	1.79	1.49	1.39
201700CB	7 ft. ⊕	Black	2.99	2.59	2.39
201718CB	15 ft. ⊕	Black	5.29	4.39	3.99
201726CB	25 ft. ⊕	Black	7.99	6.79	6.39
201734CB	3 ft. ⊕	Blue	1.79	1.49	1.39
201742CB	7 ft. ⊕	Blue	2.99	2.59	2.39
201751CB	15 ft. ⊕	Blue	5.29	4.39	3.99
201769CB	25 ft. ⊕	Blue	7.99	6.79	6.39
201814CB	3 ft. ⊕	Yellow	1.79	1.49	1.39
201822CB	7 ft. ⊕	Yellow	2.99	2.59	2.39
201831CB	15 ft. ⊕	Yellow	5.29	4.39	3.39
201849CB	25 ft. ⊕	Yellow	7.99	6.79	6.39

Category 5 (100MHz)

Part No.	Length	Color	1	10	100
281261CB	7 ft. ⊕	Gray	$2.49	$2.39	$2.25
281455CB	25 ft. ✪	Gray	4.35	4.15	3.95
277641CB	6 ft. ⊕	Red	2.49	2.25	1.99
277659CB	12 ft. ⊕	Black	2.99	2.69	2.45
203051CB	10 ft. ⊕	Blue	2.75	2.48	2.23
277667CB	12 ft. ⊕	Yellow	2.99	2.69	2.45

✪ Blue Part No. = Limited Quantity Available

Category 5e Network Cables

- 24 AWG
- 350 MHz
- Snagless boots
- Lengths: 3' to 50'
- Colors: Gray, Black, Blue, Green, Red, Yellow and White



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AIM Electronics Cat5e Cable Offering at www.Jameco.com/Prod/AIMCat5e

Category 6 Network Cables



- With RJ45 plugs and molded strain reliefs
- Assembled using ETL verified 24AWG stranded cable
- Gold over nickel contacts
- Exceeds performance levels as specified in TIA/EIA 568B.2-1 Category 6 draft 8



Category 6

Part No.	Length	Color	1	10	50
219707CB	3 ft. ⊕	Gray	$2.79	$2.69	$2.56
219715CB	7 ft. ⊕	Gray	3.99	3.87	3.68
219723CB	14 ft. ⊕	Gray	6.59	6.37	6.05
219731CB	25 ft. ⊕	Gray	9.39	8.92	8.47
219740CB	50 ft. ⊕	Gray	14.29	13.58	12.90
219854CB	3 ft. ⊕	Blue	2.79	2.69	2.56
219862CB	7 ft. ⊕	Blue	3.99	3.87	3.68
219871CB	14 ft. ⊕	Blue	6.59	6.37	6.05
219889CB	25 ft. ⊕	Blue	9.39	8.92	8.47
219897CB	50 ft. ⊕	Blue	14.29	13.58	12.90
220003CB	3 ft. ⊕	White	2.79	2.69	2.56
220011CB	7 ft. ⊕	White	3.99	3.87	3.68
220020CB	14 ft. ⊕	White	6.59	6.37	6.05
220038CB	25 ft. ⊕	White	9.39	8.92	8.47
220046CB	50 ft. ⊕	White	14.29	13.58	12.90
219900CB	3 ft. ⊕	Red	2.79	2.69	2.56
219918CB	7 ft. ⊕	Red	3.99	3.87	3.68
219926CB	14 ft. ⊕	Red	6.59	6.37	6.05
219934CB	25 ft. ⊕	Red	9.39	8.92	8.47
219942CB	50 ft. ⊕	Red	14.29	13.58	12.90
219803CB	3 ft. ⊕	Green	2.79	2.69	2.56
219811CB	7 ft. ⊕	Green	3.99	3.87	3.68
219820CB	14 ft. ⊕	Green	6.59	6.37	6.05
219838CB	25 ft. ⊕	Green	9.39	8.92	8.47
219846CB	50 ft. ⊕	Green	14.29	13.58	12.90
219758CB	3 ft. ⊕	Black	2.79	2.69	2.56
219766CB	7 ft. ⊕	Black	3.99	3.87	3.68
219774CB	14 ft. ⊕	Black	6.59	6.37	6.05
219782CB	25 ft. ⊕	Black	9.39	8.92	8.47
219791CB	50 ft. ⊕	Black	14.29	13.58	12.90
219951CB	3 ft. ⊕	Yellow	2.79	2.69	2.56
219969CB	7 ft. ⊕	Yellow	3.99	3.87	3.68
219977CB	14 ft. ⊕	Yellow	6.59	6.37	6.05
219985CB	25 ft. ⊕	Yellow	9.39	8.92	8.47
219993CB	50 ft. ⊕	Yellow	14.29	13.58	12.90

CAT 5e Crossover Cables

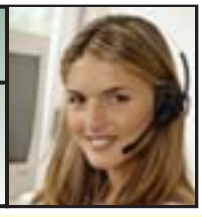


- Connect 2 PCs without a hub
- 24AWG (7 x 43) stranded
- Strain relief RJ45 connectors
- 4-pair • 8P8C • UTP

Part No.	Description	1	10	100
302041CB	6' cable RJ45 ⊕	$3.75	$3.39	$3.05
169261CB	10' cable RJ45 ⊕	6.95	6.25	5.59

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New | Sale | Lower$ | QtySave

Wire & Cable

Category 5e/5 Network Cable

JAMECO ValuePro

- Insulation: polyethylene
- Nom. impedance: 100Ω
- Nom. OD.: 0.189"
- 4 twisted pairs
- UTP
- 8C

Solid: uses modular plug P/N 119343CB, pg 106
Stranded: uses modular plug P/N 79281CB, pg 106

- **Prepackaged and priced in increments of 25', 100' or 1000'**


118130CB

NEW

A Jameco EXCLUSIVE

24 AWG UTP Category 5 Enhanced – 350MHz

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25	50
644543CB	10X5-701TH-25 ⊕	Solid	gray	25	$4.99	$4.75	$4.49
644551CB	10X5-701TH-100 ⊕	Solid	gray	100	16.99	16.15	15.35
644560CB	10X5-701TH-1000 ⊕	Solid	gray	1000	99.99	94.99	90.25
645714CB	10X5-704TH-25 ⊕	Solid	blue	25	4.99	4.75	4.49
645722CB	10X5-704TH-100 ⊕	Solid	blue	100	16.99	16.15	15.35
645731CB	10X5-704TH-1000 ⊕	Solid	blue	1000	99.99	94.99	90.25
644578CB	10X5-801TH-25 ⊕	Stranded	gray	25	5.99	5.69	5.39
644586CB	10X5-801TH-100 ⊕	Stranded	gray	100	17.99	16.19	14.59
644594CB	10X5-801TH-1000 ⊕	Stranded	gray	1000	159.99	143.99	129.59
644607CB	10X5-804TH-25 ⊕	Stranded	blue	25	5.99	5.69	5.39
644615CB	10X5-804TH-100 ⊕	Stranded	blue	100	17.99	16.19	14.59
644623CB	10X5-804TH-1000 ⊕	Stranded	blue	1000	159.99	151.99	144.39
645749CB	10X5-805TH-25 ⊕	Stranded	red	25	5.99	5.69	5.39
645757CB	10X5-805TH-100 ⊕	Stranded	red	100	17.99	16.19	14.59
645765CB	10X5-805TH-1000 ⊕	Stranded	red	1000	159.99	143.99	129.59
645773CB	10X5-802TH-25 ⊕	Stranded	black	25	5.99	5.69	5.39
645781CB	10X5-802TH-100 ⊕	Stranded	black	100	17.99	16.19	14.59
645790CB	10X5-802TH-1000 ⊕	Stranded	black	1000	159.99	143.99	129.59
645802CB	10X5-806TH-25 ⊕	Stranded	yellow	25	5.99	5.69	5.39
645811CB	10X5-806TH-100 ⊕	Stranded	yellow	100	17.99	16.19	14.59
645829CB	10X5-806TH-1000 ⊕	Stranded	yellow	1000	159.99	143.99	129.59

24 AWG UTP Category 5 – 100MHz

- 7/32 AWG

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25	50
644631CB	GTP501-4P-GR-25 ⊕	Stranded	gray	25	$5.95	$5.65	$5.35
644640CB	GTP501-4P-GR-100 ⊕	Stranded	gray	100	19.35	18.39	17.45
644658CB	GTP501-4P-GR-1000 ⊕	Stranded	gray	1000	164.49	156.25	148.39

Modular Plugs

JAMECO ValuePro


103491CB 79290CB 79273CB 79281CB 119343CB

P = No. of positions
C = No. of contacts
W/E = Western Electric type number

A Jameco EXCLUSIVE


116610CB

✳ **Prepackaged: order in increments of 10, 100 or 1000**

Part No.	Description	W/E	1	10	100	1000
103491CB	4P4C (handset) ⊕	616	✳	$.11	$.099	$.089
79290CB	6P4C (RJ11) ⊕	623	✳	.12	.11	.095
79273CB	6P6C (RJ11) ⊕	623	✳	.22	.195	.18
79281CB	8P8C (RJ45) (for stranded wire) ⊕	641	.35	.28	.24	.20
119343CB	8P8C (RJ45) unshielded (for solid wire) ⊕	—	.49	.44	.35	.28
116610CB	8P8C (RJ45) shielded ⊕	—	1.09	.99	.89	.79
204222CB	8P8C (RJ45) shielded (for STP solid wire) ✪	—	.95	.89	.79	.75
204231CB	8P8C (RJ45) shielded (for STP stranded wire) ⊕	—	1.55	1.49	1.15	.95
116601CB	8P8C (RJ45) shielded (for solid wire) ⊕	—	.99	.89	.80	.72
180646CB	10P10C (for stranded wire) ⊕	—	1.39	1.15	.82	.69

✪ Blue Part No. = Limited Quantity Available

Modular Jacks

JAMECO ValuePro


115128CB 151765CB 105945CB 115836CB


204177CB 124038CB 115844CB 203449CB

- Voltage rating: 150VAC max.
- Contact current rating: 1.5A max. @ 25˚C
- Durability: 750 mating cycles
- PC mount

*W/E = Western Electric type number

A Jameco EXCLUSIVE

Part No.	Description	*W/E	1	10	100
199620CB	4P4C (handset) 0.48"W ⊕	—	$.36	$.33	$.30
115128CB	4P4C (handset) 0.395"W ⊕	—	.37	.34	.31
151765CB	6P4C (RJ11) side flange ⊕	AMP	.45	.43	.39
105945CB	6P4C (RJ11) top flange ⊕	623	.62	.56	.42
204206CB	6P4C (RJ11) lead wires ⊕	—	1.09	.99	.89
115836CB	6P6C (RJ11) side flange ⊕	—	.74	.67	.59
204177CB	6P6C (RJ11) dual ⊕	—	1.49	1.35	1.19
124038CB	6P6C (RJ11) 6" leads ⊕	—	1.25	1.15	.99
115844CB	8P8C (RJ45) ⊕	641	.48	.44	.40
204214CB	8P8C (RJ45) 0.81"L ⊕	—	1.19	1.09	.95
203449CB	8P8C (RJ45) shielded Pin spacing "A" = 0.055" ⊕	—	1.19	.99	.85

New Expanded Selection at www.Jameco.com

Keystone-Type Wall Plates

- Size: 2.8"W x 4.5"H

Quantity SAVE

Part No.	No. of ports	Color	1	10	100
195549CB	1	Ivory	$1.25	$1.15	$.99
195557CB	2 ⊕	Ivory	1.25	1.15	.99
195565CB	3	Ivory	1.25	1.05	.79
195573CB	4	Ivory	1.25	1.05	.79
212978CB	1 ⊕	White	1.25	1.15	.99
212994CB	2 ⊕	White	1.25	1.15	.99
212986CB	3 ⊕	White	1.25	1.15	.99
212960CB	4 ⊕	White	1.25	1.15	.99
213508CB	Filler ⊕	White	.29	.25	.19


195557CB

212960CB

Modular RJ-45 & RJ-11 Jacks

Punchdown Keystone Type


212943CB

- Removable jacks used in wall plates (clip in)
- CAT 5e classification
- Punchdown type wiring connections with color coding
- Size: 0.57"W x 0.63"H x 1.23"D

RJ45: 8P8C **RJ11:** 6P6C


213516CB

RJ45

Part No.	Color	1	10	100
195590CB	Red ⊕	$3.75	$3.55	$3.19
195602CB	Yellow ⊕	3.75	3.55	3.19
195611CB	Green ⊕	3.75	3.19	2.39
195629CB	Black ⊕	3.75	3.55	3.19
195637CB	Ivory ⊕	3.75	3.38	2.99
212951CB	Blue ⊕	3.75	3.55	3.19
212943CB	White ⊕	3.75	3.55	3.19

RJ11

Part No.	Color	1	10	100
213524CB	Black ⊕	$3.75	$3.55	$2.99
213516CB	White ⊕	3.75	3.55	3.19

"EZ" RJ45 Connector

BOMAR

Strip the wire and insert into the plug & pull out the wire on the other side. This ensures correct conductor order and uniformity in crimping. No wire bar and no wasted cable.



- For solid or stranded wire
- 8P8C plug
- Use standard modular crimping tool

Part No.	Product No.	1	10	100	250
158115CB	RJ45 (8P8C) ⊕	$1.75	$1.58	$1.42	$1.25

AMP Modular Plugs & Jacks

PCB Modular Jacks



- Meets or exceeds FCC Part 68 rules & regulations
- Meets 1000 volt dielectric requirement
- Designed for ease of soldering and board cleaning

Standard Modular Plugs

- One-piece construction with preloaded contacts
- FCC & EIA/TIA industry standard size & performance
- Available in round or flat oval for stranded or solid wire and Cat 5

In-Line Couplers

- Female
- 6 or 8 position

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP Modular Connectors Series Offering at www.Jameco.com/Prod/AMPModular

Modular Couplers and Adapters

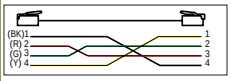
JAMECO ValuePro — A Jameco EXCLUSIVE


Fig. 1 W: 1.5" H: 0.9" D: 0.7"

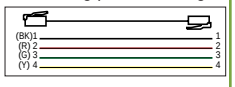

Fig. 2 W: 1.1" H: 0.8"


Fig. 3 W: 1.7" H: 1.0" D: 0.9"

Style 1 Reverse wiring for telephone systems



Style 2 Straight wiring for networking/printer sharing



Part No.	Description	Fig.	1	10	100
72207CB	⊕ 6P4C male "T" adapter, **Style 2**. Provides 2 jacks from 1 line. Male modular plug (6P4C), 2 female modular receptacles (6P4C) RJ11	2	$.99	$.89	$.80
71757CB	⊕ 6P6C modular coupler, **Style 1**, RJ11	1	.95	.86	.79
135087CB	⊕ 6P6C modular coupler, **Style 2**, RJ11	1	.99	.89	.79
181091CB	⊕ 6P6C male "T" adapter, **Style 2**. Provides 2 jacks from 1 line. Male modular plug(6P6C), 2 female modular receptacles (6P6C) RJ11	2	.99	.89	.78
118501CB	⊕ 8P8C modular coupler, **Style 1**, RJ45	1	1.85	1.75	1.55
135079CB	⊕ 8P8C modular coupler, **Style 2**, RJ45	1	1.39	1.25	1.15
153023CB	8P8C modular coupler, **Style 2** (for Cat. 5) RJ45	3	7.99	7.19	6.49

Modular Jack Boxes & Wall Plates


Fig. 1 W: 2.8" H: 4.5"


Fig. 2 W: 2.8" H: 4.5"


Fig. 3 W: 2.8" H: 4.7"


Fig. 4 W: 2.0" H: 2.2" D: 0.9"


Fig. 5 W: 1.5" H: 2.4" D: 1.1"


Fig. 6 W: 2.4" H: 2.4" D: 1.1"

Part No.	Description	Fig.	1	10	100
72311CB	⊕ 6P6C & 8P8C double wall jack plate w/ jacks (beige)	1	$1.95	$1.75	$1.57
319839CB	8P8C triple wall jack plate w/ jacks (white) (CAT 6)	2	11.19	10.65	10.09
319821CB	8P8C quad wall jack plate w/ jacks (white) (CAT 5e)	3	11.75	11.15	10.59
103464CB	⊕ 6P4C adhesive jack RJ11 (beige)	4	1.39	1.19	1.09
71984CB	⊕ 6P6C adhesive jack RJ11 (beige)	4	1.39	1.19	.99
71651CB	⊕ 8P8C adhesive jack RJ45 (beige)	4	1.95	1.65	1.45
213031CB	⊕ 8P8C adhesive jack RJ45 (single, white) (CAT 5e)	5	3.29	2.99	2.69
213049CB	⊕ 8P8C adhesive jack RJ45 (dual, white) (CAT 5e)	6	4.15	3.75	3.39

Network Jacks



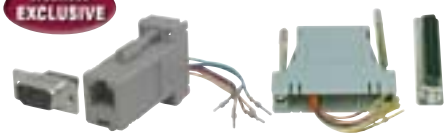
- Cat 5, Cat 5e or Cat 6
- In-line couplers, surface jacks, 90˚ jacks and toolless jack

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC Network Jack Offering at www.Jameco.com/Prod/GCJacks

RS-232-to-RJ11/RJ45 Modular Jack Adapters

JAMECO ValuePro — A Jameco EXCLUSIVE


66181CB 66237CB

Change your RS-232 port to an RJ11 or RJ45 modular jack. This will allow you to use modular phone cable rather than RS-232 cable, thus simplifying networking applications. Comes complete with all necessary wiring and hardware.

Part No.	Description	1	10	100
204265CB	DB9 M to RJ11 (6P4C) ⊕	$1.95	$1.66	$1.24
66181CB	DB9 M to RJ11 (6P6C) ⊕	2.59	2.35	2.09
66190CB	DB9 M to RJ45 (8P8C) ⊕	2.89	2.65	2.35
114737CB	DB9 F to RJ11 (6P4C) ⊕	1.95	1.79	1.59
66202CB	DB9 F to RJ11 (6P6C) ⊕	2.79	2.55	2.29
66211CB	DB9 F to RJ45 (8P8C) ⊕	2.99	2.69	2.45
204281CB	DB25 M to RJ11 (6P4C) ⊕	2.39	2.15	1.29
66229CB	DB25 M to RJ11 (6P6C) ⊕	2.95	2.35	1.99
66237CB	DB25 M to RJ45 (8P8C) ⊕	2.99	2.69	2.45
204273CB	DB25 F to RJ11 (6P4C) ⊕	1.95	1.75	1.55
66245CB	DB25 F to RJ11 (6P6C) ⊕	2.59	1.95	1.39
66253CB	DB25 F to RJ45 (8P8C) ⊕	2.89	2.59	2.29

BNC/F-Type Jacks

- Removable jacks used in wall plates (Pg 97)
- Clip on for easy installation on wall plates
- Keystone type

SALE


195645CB


224637CB

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	Color	1	10	100
195645CB	F-Type F to F ✪	Ivory	$.99	$.90	$.82
224637CB	BNC F to F	White	1.55	1.41	1.28

RJ11 Retractable Cable

This RJ11 cable extends up to 8'. And when you pack up, give it a tug and it retracts into its lightweight, rugged case like a windowshade. It's completely tangleproof.



Part No.	Description	Price
233349CB	RJ11 retractable cable ⊕	$2.95

Telco Adapters

- One piece construction for quick installation
- RJ-11, RJ12 & RJ-45 to DB-9, DB15 & DB25



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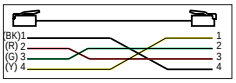
See Our GC Telco Adapters Offering at www.Jameco.com/Prod/GCTelco

Modular Telephone/Printer Sharing Cables (Gray)


Low Cost Data/ Phone Cables

- RJ11 – 6P2C/6P4C for telephone or network
- RJ11 – 6P6C for telephone or printer sharing
- RJ45 – 8P8C for telephone or modem-dial-up use

Style 1 – Reverse wiring for telephone systems



Style 2 – Straight wiring for networking/printer sharing



Part No.	Conn. Style	Type	Length	Pricing 1	10	100
189940CB	1	RJ11-6P2C	7ft.	$.99	$.84	$.63
196226CB	1 ⊕	RJ11-6P4C	7ft.	1.69	1.39	1.07
115553CB	2 ⊕	RJ11-6P4C	7ft.	1.25	1.09	.89
355645CB	2	RJ11-6P4C	14ft.	2.19	1.59	1.38
115545CB	1 ⊕	RJ11-6P4C	25ft.	2.29	2.09	1.85
201232CB	2	RJ11-6P4C†	35ft.	1.95	1.66	1.24
115588CB	1 ⊕	RJ11-6P6C	7ft.	1.55	1.35	1.15
115617CB	2 ⊕	RJ11-6P6C	7ft.	2.19	1.99	1.79
355653CB	2	RJ11-6P6C	14ft.	2.75	1.99	1.73
115676CB	2 ⊕	RJ45-8P8C	7ft.	1.89	1.75	1.49

† Beige

Surface Mount Boxes

Category 5 and 5e

SALE


213014CB

- RJ45 • 8P8C
- 100MHz
- Size: 2.6"L x 3.2"W x 1.2"H
- CAT 5e (except P/N 176073CB)

Part No.	Description	1	10	100
176073CB	Single jack (beige)	$5.75	$5.25	$4.95
213022CB	Single jack (white)	5.25	4.77	4.34
213014CB	Dual jack (white)	7.19	6.53	5.93

RJ45-Plug Color Caps (Boots)

JAMECO ValuePro


204425CB

- Round strain relief
- Minimum order 10 pieces

Part No.	Color	10	100	500	1000
204409CB	Black ⊕	$.14	$.13	$.12	$.09
204388CB	Yellow ⊕	.18	.16	.14	.12
204353CB	Gray ⊕	.14	.13	.12	.095
204361CB	Blue ⊕	.18	.16	.14	.12
204425CB	Red ⊕	.14	.12	.11	.091
204396CB	Green ⊕	.14	.12	.098	.073
204370CB	Ivory ⊕	.14	.12	.098	.073

Retractile Cord

NEW



- Length: 24', 12"
- 4 conductors
- 18 AWG (42 x 34)
- Bare copper, rubber insulated, cabled with fillers
- Black neoprene jacket
- Voltage Rating: 300V
- UL listed and CSA certified

Part No.	Product No.	1	10	100
481895CB	9482♠	$25.75	$24.51	$23.27

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Wire & Cable

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Call for OEM pricing

Nylon Cable Ties

Standard



70560CB

- Cable ties made from UL approved Nylon 66
- Temperature range: -40˚C to +85˚C
- Flammability rating: UL 94V-2
- Color: clear (except P/N 182676CB)
- ***Sold in increments of 100 or 1000***

Quantity SAVE

Part No.	Tensile Strength (lbs.)	Dimensions (L" x W")	100	1000
70560CB	18 ⊕	3.1 x 0.10	$.025	$.015
126543CB	18 ⊕	4.0 x 0.10	.02	.014
182676CB	18* ⊕	4.75 x 0.13	.03	.025
182650CB	18 ⊕	5.5 x 0.13	.035	.025
139150CB	18 ⊕	8.0 x 0.10	.06	.04
182668CB	18 ⊕	8.0 x 0.13	.075	.05
182684CB	18 ⊕	8.0 x 0.18	.036	.033
70906CB	40 ⊕	5.8 x 0.10	.035	.029
190756CB	40 ⊕	10.0 x 0.14	.12	.086
190772CB	40 ⊕	11.0 x 0.19	.10	.075
190764CB	40 ⊕	13.0 x 0.14	.10	.075

* Black

Weather Resistant

104141CB

- Contains Carbonate A for greater resistance to ultraviolet rays in outdoor use
- Color: black
- ***Sold in increments of 100 or 1000***

UV Resistant

Part No.	Tensile Strength (lbs.)	Dimensions (L" x W")	100	1000
139125CB	18 ⊕	3.0 x 0.90	$.045	$.029
104141CB	18 ⊕	4.0 x 0.10	.044	.029
104133CB	40 ⊕	5.8 x 0.10	.047	.031
190781CB	40 ⊕	8.0 x 0.13	.085	.065
190799CB	40 ⊕	10.0 x 0.14	.10	.09
190801CB	40 ⊕	13.0 x 0.14	.113	.088

Cable Tie Assortments

- Tensile strength: 18-50 lbs.

145701CB:
1000 pcs. (4"L); 10 colors

150412CB:
500 pcs. (4"L); 300 pcs. (8"L); 50 pcs. (11"L), 5 colors



145701CB

145701CB (closeup)

Part No.	Weight (lbs.)	1	10	50
145701CB	0.7 ⊕	$9.49	$8.49	$7.39
150412CB	1.7 ⊕	16.49	15.25	14.15

Contractor Grade Cable Ties

Chances are we have a cable tie for your application! Avery Dennison™ cable ties are available in a wide variety of sizes and in three different materials.

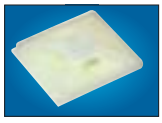


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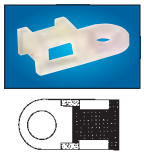
See Our Avery Dennison Cable Ties Offering at www.Jameco.com/Prod/AveryTies

Cable Tie Mounts and Cable Clamps

- Tie mount and screw tab cable clamps
- Material: UL approved nylon 66, 94V-2
- ***Sold in increments of 10, 100 or 1000***



182941CB/171213CB
71407CB/71394CB
71386CB



70594CB



182300CB/173761CB



182318CB/182376CB



182334CB/182342CB



173711CB/173729CB
173737CB/134754CB
173753CB

Part No.	Cross Ref. No.	Description	10	100	1000
182941CB	0505HC-101S ⊕	4-way cable tie mount, self adhesive, .75"D	$.07	$.055	$.049
171213CB	HC-100 ⊕	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.5" square	.15	.13	.094
71407CB	HC-101 ⊕	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.9" square	.18	.16	.13
71394CB	HC-102 ⊕	4-way cable tie mount, self adhesive, use w/ 0.2"W max., 1.1" square	.23	.19	.14
71386CB	HC-103 ⊕	4-way cable tie mount, self adhesive, use w/ 0.4"W max., 1.1" square	.25	.19	.13
70594CB	HC-0 ⊕	4-way cable tie, screw type, use w/ 0.2"W max., 0.8"L x 0.4"W	.15	.09	.05
182300CB	0510HC-2 ⊕	Cable tie mount, 1/4" screw hole, 0.5"D	.17	.15	.14
173761CB	HC-1 ⊕	Cable tie, saddle type, 0.6"L x 0.4"W	.15	.125	.075
182318CB	0519ATC-17 ⊕	2-way adjustable tie mount, #6 flat head screw, 0.7"D	.37	.35	.33
182376CB	0519ATC-22	2-way adjustable tie mount, #6 flat head screw, 0.9"D	.29	.261	.222
182334CB	0520FC-1 ⊕	Cable tie mount, self adhesive, 0.1"D	.17	.15	.12
182342CB	0520FC-2 ⊕	Cable tie mount, self adhesive, 0.2"D	.15	.135	.122
173711CB	UC0 ⊕	Cable clamp for 1/8" cable	.08	.027	.019
173729CB	UC0.5 ⊕	Cable clamp for 3/16" cable	.035	.032	.019
173737CB	UC1 ⊕	Cable clamp for 1/4" cable	.14	.09	.063
134754CB	BO375 ⊕	Cable clamp for 3/8" cable	.08	.029	.018
173753CB	UC3 ⊕	Cable clamp for 1/2" cable	.099	.041	.031

Cable Ties



Pan Ty Cable Ties

- Miniature to standard cross sections feature a curved tip for easy threading and handling
- Lowest threading force of any one piece cable tie in the industry
- Natural nylon

Barb Ty Cable Ties

- Weather resistant nylon has greater resistance to ultraviolet light which damages natural nylon
- Stainless steel locking barb provides infinite adjustability over its entire length
- Black nylon

Cable Tie Mounts

- Unique cradle design provides maximum stability for cable bundle
- Nylon
- Low profile design keeps bundle close to mounting surface where overhead space is limited

Cable Tie Label

- Dot matrix
- Self-laminating
- White Tedlar®
- Designed to identify all sizes of wires and cables quickly and economically
- Overlaminate protects legend for clear, permanent identification

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See Our Panduit Cable Ties Offering at www.Jameco.com/Prod/PanduitTies

Nylon Cable ID Ties and Tabs



71061CB



135175CB

71061CB: Clear ID tab (0.98" x 0.31")
135175CB: Nylon cable tie ID marker

- ***Sold in increments of 10, 100 or 1000***

Part No.	Size	10	100	1000
71061CB	4.0"L x 0.1"W ⊕	$.085	$.08	$.072
135175CB	2.0"L x 0.8"W x .02"T ⊕	.22	.11	.08

Round-Type Strain Relief Bushings

- Material: UL approved nylon 66, 94V-2
- Color: black
- Used extensively for protecting cords and to prolong cord life



SALE



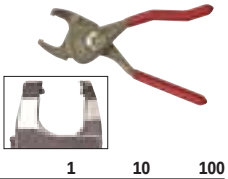
182369CB

- ***Sold in increments of 10, 100 or 1000***

Part No.	Cable Type	Lgth (in.)	10	100	1000
182351CB	SVI/SVT ⊕	.43	$.05	$.043	$.04
182369CB	SJ/SJT; 16 AWG ⊕	.58	.18	.10	.085
182377CB	SJC; 18 AWG ⊕	.58	.24	.22	.20

Bushing Assembly Tool

- For use with strain relief bushings, above



Part No.	Description	1	10	100
73470CB	Bushing tool ⊕	$34.95	$28.75	$28.45

For More tools see pages 275 - 283.

℞ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Abbatron Wire Management

Cable Clamps

- Plastic or steel
- Length: 3/8" or 1/2"
- Mounting hole: #8 or 11/64"



Wire Strain Relief Clamps

- One-piece easy-to-install relief; absorbs pull and twist stress on power cords



Fahnestock Clips

- Mounting hole: #4

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See Our Abbatron Wire Management Offering at www.Jameco.com/Prod/WireMgmt

Braided Expandable Sleeving



- Provides continuous abrasion resistance for wires cables and tubing
- Lightweight durable protection
- Highly flexible open weave will not trap heat or humidity
- Rated for use up to 257°F (125°C)
- Self extinguishing meets UL VW-1

NEW

Part No.	Description	1	5	10
489416CB	Black 500'♠	$613.19	$582.49	$553.29

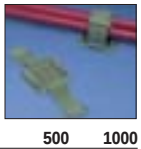
Grommet Edging NEW



- General purpose material for indoor use up to 122°F(50°C)
- Provided in 0.030" (0.8mm) thick material making it highly flexible
- Use product on straight edges

Part No.	Description	1	5	10
489248CB	Natural 100'♠	$29.75	$27.05	$25.69

Clincher Adjustable Releasable Clamp



- Fast and convenient method of securing bundles from 0.19" up to 0.69" dia.
- **Please order in increments of 100**

NEW

Part No.	Description	100	500	1000
489192CB	White♠	$.361	$.342	$.319

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Wire Management Enclosure

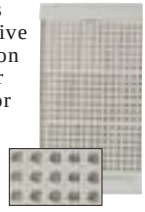


The "NO MORE" wire management solution for workstations, home office, and entertainment systems. Wall mountable, this enclosure prevents wire tangles and clutter, protects wires and connections for accidents, and neatly conceals wires of varying thickness. Made of durable, high impact molded resin. An innovative design that optimizes wire storage capacity.

- Size: 14.1"H x 8.0"W x 2.1"D
- Color: black

Part No.	Description	1	10
355872CB	Wire management enclosure ⊕	$17.99	$17.57

Pressure Sensitive Wire Marker



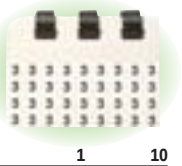
Easy release vinyl cloth markers feature a strong, pressure-sensitive adhesive, for long lasting bond on a wire or cable. Black non-smear legends on white background for easy identification.

- Convenient pocket-size booklet
- 10 sheets numbered 1 to 45 each sheet

SALE

Part No.	Cross Ref. No.	1	10	100
216813CB	TCWM-3	$6.99	$6.39	$5.81

Self Adhesive Wire Marker



- 90 markers per number
- Stick to wires for permanent identification
- Cloth tape label numbered 0-9
- Used after or before terminal

Part No.	Cross Ref. No.	1	10
182262CB	0215WMB-1 ⊕	$7.09	$6.45

3M Tape Wire Marker



- For marking wires with numerical sequence
- Self adhesive tapes numbered 0-9
- Size: (tape) 96"L x 0.25"W

Part No.	Description	1	10
159231CB	Numerical tape dispenser ⊕	$30.95	$27.95

3M ScotchCode™ STD-C Wire Marker Tape Dispenser



NEW

The 3M™ ScotchCode™ STD Tape Dispenser is a compact, carry-along dispenser with ten refillable compartments that hold eight-foot rolls of non-smear polyester tape. Used for marking binder groups, wire or cable, the tapes' high tack, acrylic adhesive resists solvents, oil and water, and adheres firmly to insulation surfaces. An end-loop hooks the dispenser easily to a tool pouch or belt.

Part No.	Description	1	5
652164CB	Marker tape dispenser	$33.69	$32.85

Cable Markers



- UL approved natural nylon
- ***10 piece minimum***

Part No.	Size	10	100	1000
182705CB	1.5"L x .75"W ⊕	$.10	$.09	$.08
182713CB	2.5"L x 1.76"W ⊕	.25	.23	.20

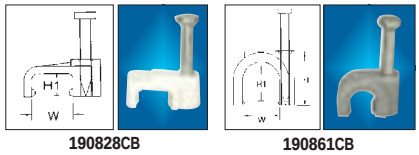
Cable Tie Tool



- 2.5 - 5mm width (of cable)
- Tension adjustable
- Twist to cut surplus tie end
- Spring return action
- Metal

Part No.	Cross Ref. No.	1	5	10
182297CB	0302TG-7 ⊕	$16.99	$15.99	$14.99

Nail-In Cable Clips



190828CB 190861CB

- Material: impact resistant PE
- With nails inserted
- ***Sold in increments of 100 or 1000***

SALE

For telephone cords; white

✪ Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	W x H x H1 (in.)	100	1000
190828CB	NF1.2 ✪	.24 x .21 x .15	$.006	$.005
190836CB	NF1.6 ✪	.31 x .31 x .20	.006	.005

For general round cables; gray

Part No.	Cross Ref. No.	W x H x H1 (in.)	100	1000
190861CB	NCO.35N	.14 x .23 x .15	$.022	$.02
190887CB	NC1N ⊕	.24 x .35 x .26	.05	.02
190895CB	NC2N	.31 x .45 x .34	.015	.014
190908CB	NC3N	.39 x .53 x .41	.016	.015

Cable Clips



295591CB 295611CB

These nail-in cable clips are designed for use with RG-6 cables.

- For RG-6 type cables
- Includes 1" nail
- Prepackaged in increments of 100

Part No.	Description	1 Pkg	10 Pkgs
295603CB	Single RG-6 cable clip, white ⊕	$3.39	$2.79
295591CB	Single RG-6 cable clip, black ⊕	3.19	2.65
295611CB	Dual RG-6 cable clip, white ⊕	3.65	2.99
295620CB	Dual RG-6 cable clip, black ⊕	3.65	2.99

3M Adhesive Cord Clips



NEW

Organize cords behind computers, appliances and entertainment centers. They remove cleanly and may be reused with a new Command™ adhesive strip. Holds wires up to 3/8 inch in diameter. 4 medium clips and 5 small strips per pack.

Part No.	Description	1	10
645861CB	Adhesive cord clips	$3.89	$3.44

3M Cord Clips with Command



3M™ Cord Clips with Command™ Adhesive help organize all of those unsightly cords that run from the back of computers, appliances and home entertainment centers. They mount easily to any clean wall or finished wood surface and can be moved just as easily with replacement adhesive strips. 12 clips per pack.

NEW

Part No.	Description	1	10
645853CB	Adhesive cord clips	$3.49	$3.12

www.Jameco.com

Our enhanced website offers nearly 15,000 more products. Find them easily and order them quickly.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

3M 130C Linerless Rubber Splicing Tape



This highly conformable high voltage Ethylene Propylene rubber tape is ideal for a number of applications where its sealing properties are required. These include sealing collars, closure sealing, drop wire splice insulating, sheath build-up and constructing auxiliary sleeves. Unlike most rubber tapes, Scotch® 130C is linerless which makes it easier and quicker to use. It provides a void-free, permanent seal every time.

NEW

- 3/4"W x 30'L

Part No.	Product No.	1	5	10
652050CB	3M 4171 ♻	$13.95	$12.75	$11.69

3M Duct Tape 3900



Polyethylene coated cloth with rubber adhesive. Economy grade duct tape. A good choice for general maintenance, wrapping, sealing and protecting.

- 48mm W x 54.8m L

NEW

Part No.	Product No.	1	10	25
652068CB	3M 06976 ♻	$9.15	$8.09	$7.27

3M Scotch® General Purpose Masking Tape



A very high temperature resistant tape for use in masking and holding applications where temperatures reach 250˚F (121˚C) up to 1 hour. A general purpose paper masking tape designed to be used in medium temperature paint bake operations.

NEW

- 24mm W x 55m L

Part No.	Product No.	1	10	25
652172CB	3M 02982 ♻	$6.99	$6.16	$5.53





More NEW 3M Products on pages 109, 291 & 313.

Commercial Customers

Open an account with us to consolidate your monthly billing and save time. Just call us!
1-800-831-4242

3M Super 33+ Electrical Tape



This tape provides flexibility and easy handling for all around performance. It combines PVC backing with excellent electrical insulating properties to provide primary electrical insulation for splices up to 600V and protective jacketing. Excellent resistance to UV rays, abrasion, moisture, copper corrosion, alkalis and acids, and is flame-retardant. Excellent all-weather performance in cold to 0˚F (-18˚C). Designed to perform in a continuous temperature environment up to 220˚F (105˚C).

- UL listed and CSA certified
- 0.75" x 66'

Part No.	Product No.	1	10	25
285464CB	3M 06132 ⊕	$4.35	$4.00	$3.98

3M Tartan 1710 Electrical Tape



3M™ Tartan™ 1710 vinyl insulating tape offers good resistance to abrasion, moisture, alkalis, acid, copper corrosion and varying weather conditions (including ultraviolet).

- UL listed
- 0.75" x 60'
- Flame retardant

Part No.	Product No.	1	10	25
285587CB	3M 49656 ⊕	$.95	$.89	$.86

3M Vinyl Electrical Tape

5-pack Multi-Colored



3M #35 vinyl electrical color coding tape is used in phase identification, color coding leads, piping systems and for marking safety areas. UL Listed, CSA Certified, and flame-retardant. Excellent all-weather performance in cold to 0˚F (-18˚C) or hot to 220˚F (105˚C). 5 rolls to a pack with colors blue, green, red, yellow, and white.

- 1/2" x 20'

Part No.	Product No.	1	5	10
287806CB	3M 10457 ⊕	$7.95	$6.72	$6.10

3M Scotch® 35 Vinyl Electrical Tape



652148CB

Identify leads, splices, and terminations. Abrasion and weather resistant 7 mil tape. Excellent mechanical and electrical insulation properties. Wraps smoothly and holds tightly over a wide range of temperatures.

NEW

- 3/4"W x 66'L

Part No.	Product No.	1	10	25
652076CB	3M 10810 (red) ♻	$5.89	$5.24	$4.71
652084CB	3M 10869 (orange) ♻	5.89	5.24	4.71
652092CB	3M 11271 (violet) ♻	5.89	5.24	4.71
652105CB	3M 10828 (white) ♻	5.89	5.24	4.71
652113CB	3M 10885 (brown) ♻	5.89	5.24	4.71
652121CB	3M 00072 (gray) ♻	5.89	5.24	4.71
652130CB	3M 10836 (blue) ♻	5.89	5.24	4.71
652148CB	3M 10851 (green) ♻	5.89	5.24	4.71
652156CB	3M 10844 (yellow) ♻	5.89	5.24	4.71

3M Double-Sided Foam Tape



Used in a wide variety of applications, this tape features high-shear acrylic adhesive and high temperature resistance. Adheres securely to any surface with its double-sided adhesive. 1/8" thick open-cell urethane foam carrier. Ideal for many manufacturing applications.

- 1/8" thick
- 1" x 12'

Part No.	Product No.	1	5	10
285907CB	3M 4008 ⊕	$14.89	$11.65	$11.35

3M Double Coated Urethane Foam Tape

NEW



1/16" thick neutral, open cell urethane foam flexible carrier with high shear, high temperature resistant acrylic adhesive. Use to fill gaps and bond irregular surfaces. Distributes stress uniformly over bonded area. Apply by hand or with dispenser.

- 1"W x 6 yards L

Part No.	Product No.	1	5	10
645941CB	3M 06440 ♻	$16.95	$15.75	$14.39

3M Hook and Loop Fastening System

NEW



286900CB

Nylon hooks mesh with pliable loops. 1" wide strip with adhesive backing sticks instantly to many surfaces.

- Hook and loop: 1"W x 15'L

Part No.	Product No.	1	5	10
286897CB	3M 06481 (black) ⊕	$31.09	$29.99	$28.35
286900CB	3M 06488 (white) ⊕	31.55	30.49	28.75

- Hook and loop: 1"W x 3"L
- Two pair

Part No.	Product No.	1	10	25
645917CB	3M 64293 (black) ♻	$2.79	$2.46	$2.21
645909CB	3M 64294 (white) ♻	2.79	2.46	2.21

3M Dual Lock Fastening System



288438CB

3M™ Dual Lock™ reclosable fasteners have been used extensively in transportation, electronics, business equipment, machinery, medical, sign and display markets. When the mushroom-shaped stems interlock, tensile strength is high enough to replace mechanical fasteners, yet you can readily open and close Dual Lock fasteners hundreds of times. High temperature and solvent resistant.

NEW

- Adhesive backing for strong bonds
- 1" x 15'
- 5x stronger than conventional hook & loop fasteners
- Audible snap assures secure closure

Part No.	Product No.	1	5	10
288438CB	3M 06463 (clear) ⊕	$74.95	$71.19	$67.65

- Hook and loop: 1"W x 3"L
- Two pair

Part No.	Product No.	1	10	25
645925CB	3M 64284 (black) ♻	$3.55	$3.14	$2.83
645933CB	3M 64254 (clear) ♻	3.55	3.14	2.83

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

3M Heat Shrink Tubing 102-Piece Kit



3M™ FP-301 is a heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F (135°C) continuous operation. FP-301 tubing is typically used as a shrink-fit electrical insulation over cable splices and terminations. It is also used for lightweight wire harness covering, wire marking, wire bundling, component packaging and fire resistant covering.

- Assorted pre-shrink sizes: 3/16" (30 pieces); 1/4" (28 pieces); 3/8" (20 pieces); 1/2" (14 pieces); 3/4" (6 pieces); 1" (4 pieces) • Pre-cut to 6" lengths

Part No.	Description	1	5	10
285481CB	Heat shrink kit ⊕	$56.95	$53.70	$50.99

3M Heat Shrink Tubing Kit



3M™ FP-301 is a heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F(135°C) continuous operation. FP-301 tubing is typically used as a shrink-fit electrical insulation over cable splices and terminations. It is also used for lightweight wire harness covering, wire marking, wire bundling, component packaging and fire resistant covering. The Assorted Color Kit has a total of 133 pieces and contains seven colors: black, red, white, yellow, blue, green and clear. All heat shrink tubing are in 6" lengths.

- Size: 3/32", 1/8", 3/16", 1/4", 3/8", 1/2"

Part No.	Description	1	5	10
645976CB	Heat shrink kit ♻	$56.95	$53.70	$50.99

Raychem Heat Shrink Tubing

- Flexible
- 2:1 shrink ratio
- Shrink temp.: 90˚C
- Splash protection
- Material: cross linked polyolefin

DWP-125 – Double Wall

- Flexible, high shrink ratio, adhesive lined



RNF-100 – Single Wall

- Flexible, flame-retardant, general purpose

RW-175 – Single Wall

- High-temperature, chemical resistant

TMS Series – Military Grade

- Military specification material and print performance

TAT Series – Dual Wall

- Adhesive lined, flexible

Versafit – Single Wall

- Highly flame-retardant, very flexible, low shrink temp.



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Raychem Heat Shrink Offering at www.Jameco.com/Prod/RaychemHST

Heat Shrink Tubing

- 2:1 uniform shrink ratio
- Color: black



PVC Heat Shrink Tubing

- Shrink temp: 125˚C
- ***Only sold in 10' & 100' lengths***



NEW

Part No.	Dia. Before (mm)	Length (ft.)	1	25
644834CB	0.12" (3) ⊕	10	$1.19	$1.13
644851CB	0.12" (3) ⊕	100	10.49	9.99
644869CB	0.16" (4) ⊕	10	1.39	1.29
644877CB	0.16" (4) ⊕	100	12.49	11.85
644906CB	0.20" (5) ⊕	10	1.55	1.47
644914CB	0.20" (5) ⊕	100	14.99	14.25
644931CB	0.24" (6) ⊕	10	1.69	1.64
644949CB	0.24" (6) ⊕	100	16.49	15.67
644957CB	0.31" (8) ⊕	10	1.89	1.79
644965CB	0.31" (8) ⊕	100	17.99	17.49
644973CB	0.43" (11) ⊕	10	2.79	2.69
644981CB	0.43" (11) ⊕	100	24.99	23.75
644990CB	0.59" (15) ⊕	10	3.69	3.49
645001CB	0.59" (15) ⊕	100	35.99	34.19

PVC Heat Shrink Flat Film

- Shrink temperature: 175˚C
- Temperature range: -45˚C to +125˚C



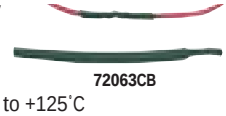
70631CB

* **Precut 39" length; sold as 1 increment**

Part No.	Flat	Unshrunk Cir. Dia.	Shrunk Cir. Dia.	1*	10*	100*
70631CB	5/16" ⊕	1/4"	1/8"	$1.69	$1.55	$1.39
70623CB	1/2" ⊕	5/16"	3/16"	1.69	1.44	1.08

Polyolefin Heat Shrink Tubing

- Dielectric strength: 1300V
- Flame retardant
- Flexible
- Shrink temp.: 121°C
- Temperature range: -45˚C to +125˚C



72063CB

* **Precut 39" length; sold as 1 increment**

Part No.	Before	After (Dia.)	1*	10*	100*
71327CB	1/16" ⊕	1/32"	$.55	$.46	$.41
71870CB	3/32" ⊕	3/64"	.55	.45	.39
71280CB	1/8" ⊕	1/16"	.69	.59	.54
72063CB	1/4" ⊕	1/8"	.89	.76	.57
226245CB	3/8" ⊕	3/16"	1.09	.98	.88
216477CB	1/2" ⊕	1/4"	.99	.89	.79

TECHFLEX Cable Sleeve

Clean Cut Expandable Sleeving

- Flame resistant
- Applications: protecting wires, cables and hoses
- Operating temp.: -70˚C to 125˚C
- ***Sold in spools of 25'***



162157CB

Part No.	Product No.	Actual/Expanded Dia.	1	10
162157CB	CCPT2X ⊕	0.250"/0.440"	$15.95	$14.95
162165CB	CCPT3X ⊕	0.500"/0.750"	17.95	14.49

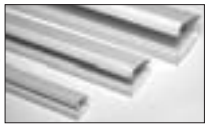
Premiere Wire Management Raceways & Accessories

WireHider® Raceway & Covers



- Original flexible vinyl flap design that traps wires in place during installation
- 3 sizes: 1/2", 1" & 1-1/2"
- UL94VO Rated - flame retardant PVC
- Adhesive backing for easy installation
- Raceway and covers available in white, beige, brown, gray, clear and electrical ivory and white

Premiere Latching Duct



- Co-extruded one piece design featuring a durable, flexible hinge
- Adhesive backing for easy installation
- Safety hook latch design prevents accidental opening
- 3 sizes: 1/2", 1" & 1-1/2" • Latex paintable
- UL94VO Rated - flame retardant PVC
- Available in white and beige

Premiere Raceway On-A-Roll™



- Folds into a rigid PVC channel for wire or cable installations
- Low cost - High quality
- Easy storage for up to 100 ft. of raceway
- Perfect for around windows and doors
- Adhesive backing for easy installation
- 4 sizes: 1/4", 3/8, 1/2", & 1"
- UL94VO Rated - flame retardant PVC
- Available in white and beige • Latex paintable

Accessories

- Right angles, outside corners, end caps, reducers, Inside corners, ceiling drops, tees and adapters for surface mount boxes
- Acessories available in white, beige, brown, gray and electrical ivory and white
- 3 sizes: 1/2", 1" & 1-1/2"

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Premiere Raceways Offering at www.Jameco.com/Prod/Premiere

Panduit Wiring Duct



NEW

- Light gray
- Length: 6'
- Lead free PVC

489230CB:

- Wide finder slotted wiring duct
- Standard mounting PC holes
- Size: 1.75"W x 1.62"H

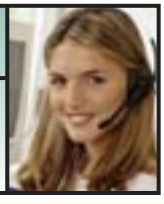
✳ **Prepackaged: please order in increments of 10, 100 or 1000**

Part No.	Description	1	10	50
489230CB	Duct ♠	$31.95	$29.44	$27.95
489213CB	Cover ♠ ✳	1.79	1.39	

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 305.



♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Audio/Video Cables and Adapters

RCA Cables

Part No.	Description	1	10	25
228443CB	3' stereo RCA (2) male to (2) male plugs, gold plated ⊕	$1.49	$1.39	$1.29
183311CB	4' RCA male to male plug (black) ⊕	.99	.89	.79
206973CB	4' RCA male to male plug (yellow) ⊕	.99	.89	.79
106374CB	6' RCA male to male plug ⊕	1.19	1.02	.94
228419CB	6' mono RCA male plug to female jack ⊕	1.65	1.45	1.25
228486CB	6' RCA stereo (2) male plugs to (2) female jacks ⊕	1.25	1.15	1.05
228451CB	6' RCA stereo (2) male to (2) male plugs, gold plated ⊕	1.79	1.69	1.59
308734CB	6' RCA stereo (2) male to (2) male plugs (red/white)	1.65	1.49	1.35
228401CB	6' RCA stereo (2) male plugs to 3.5mm stereo male plug ⊕	1.55	1.39	1.25
236865CB	6' RCA (3) male to (3) male plugs, gold plated	2.69	2.42	1.99
228427CB	10' RCA female jack to male plug ⊕	2.35	1.95	1.79
29348CB	10' RCA male to male plug (yellow) ⊕	1.69	1.55	1.35
228460CB	12' RCA stereo (2) male to (2) male plugs, gold plated ⊕	2.09	1.89	1.75
225980CB	12' RCA (3) male to (3) male plugs, gold plated	4.49	3.89	2.89
225998CB	20' RCA (3) male to (3) male plugs, gold plated	7.99	6.79	5.09
228435CB	25' mono RCA male to male plug, nickel plated ⊕	2.19	2.09	1.99
228478CB	25' RCA stereo (2) male to (2) male plugs, gold plated ⊕	2.39	2.29	2.19

Video/Audio Patch Cables

Part No.	Description	1	10	25
228216CB	3' stereo video patch cable, gold plated ⊕	$1.19	$1.13	$1.07
228574CB	25' stereo video patch cable, gold plated ⊕	6.99	6.29	5.65
228582CB	50' stereo video patch cable, gold plated ⊕	12.59	11.35	10.19


228443CB/228451CB 228460CB/228478CB

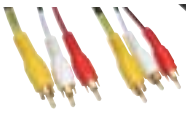

206973CB/29348CB


228419CB


228486CB


308734CB


228401CB


225980CB/225998CB


228435CB


326529CB/228494CB/ 228507CB


228515CB/228523CB


319206CB


228216CB/228574CB/ 228582CB

3.5mm Audio Patch Cables

Part No.	Description	1	10	25
319206CB	27" 3.5mm mono male to male plug	$1.09	$.94	$.89
326511CB	1' 3.5mm stereo male to male plug	1.75	1.59	1.39
326529CB	6' 3.5mm stereo male to male plug (green/blue) ⊕	1.39	1.18	.89
228494CB	6' 3.5mm stereo male to male plug (black) ⊕	1.39	1.19	.99
228515CB	6' 3.5mm stereo male plug to female jack ⊕	1.49	1.35	1.25
228507CB	12' 3.5mm stereo male to male plug (black) ⊕	1.69	1.49	1.29
228523CB	12' 3.5mm stereo male plug to female jack ⊕	1.65	1.49	1.35

S-VHS Cables and Adapters

Low-loss fully shielded Super-VHS cables, 4-contact mini DIN plus S-VHS cable and dual-RCA plug stereo cables.

- Fully-molded color coded gold RCA connectors
- Flexible black PVC jacket
- Applications: home theaters, DSS receivers, Super-VHS VCRs, camcorders, and DVD players


228591CB


228558CB

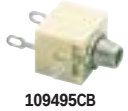

229809CB


229391CB

228558CB/228566CB: 95% spiral wound shield S-VHS/audio conductors

Part No.	Description	1	10	25
228591CB	6' S-VHS video cable, gold plated ⊕	$2.15	$1.95	$1.79
228558CB	6' S-VHS audio-video cable, gold plated ⊕	12.95	11.65	10.49
228566CB	12' S-VHS audio-video cable, gold plated ⊕	14.95	13.45	12.15
228603CB	12' S-VHS video cable, gold plated ⊕	2.65	2.35	2.10
228611CB	25' S-VHS video cable, gold plated ⊕	4.05	3.85	3.65
229809CB	S-video 4-pin mini DIN female to female jack ⊕	2.85	2.59	2.29
229391CB	S-video male plug to RCA video female jack ⊕	5.39	4.85	4.39
295881CB	S-video female jack to RCA video male plug ⊕	5.39	4.85	4.39
303351CB	S-video male plug to RCA video female jack ⊕	5.39	4.85	4.39

3.5mm Female Jacks and Male Plugs


109495CB


165729CB


101151CB/147344CB


231159CB


231175CB


231167CB

- Threaded screw on housing
- 1mm diameter solder eyelets
- Shield crimp tabs

231159CB/231167CB: With spring strain relief SALE

Part No.	Cross Ref. No.	Description	1	10	100	1000
109495CB	PJ035PM ⊕	Mono F jack, 3.5mm hole size	$.45	$.40	$.36	$.32
165729CB	PJ0354 ⊕	Mono F jack, 3.5mm hole size	.69	.59	.49	.39
101151CB	PJ1035 ⊕	Mono male plug, plastic	.49	.38	.35	.29
147344CB	PJ1035L ⊕	Mono male plug, plastic	.49	.38	.35	.29
231159CB	AP-336 ⊕	Mono male plug, metal	1.25	1.19	1.09	.95
231175CB	AP-340 ⊕	Stereo male plug, plastic	.55	.43	.36	.32
231167CB	AP-343 ⊕	Stereo male plug, metal	1.79	1.60	1.45	1.30

75Ω "F" Connectors

JAMECO ValuePro


289828CB (Fig. 1)


289916CB (Fig. 2)


290001CB (Fig. 3)


289924CB (Fig. 4)

Part No.	Cross Ref. No.	Fig.	Description	1	10	50	100
289828CB	200-030 ⊕	1	RG-59 crimp-on nickel plated	$.22	$.20	$.17	$.14
289908CB	200-031 ⊕	1	RG-59 crimp-on gold plated	.45	.43	.41	.39
289887CB	200-035 ⊕	2	RG-6 crimp-on nickel plated	.22	.20	.17	.14
289916CB	200-036 ⊕	2	RG-6 crimp-on gold plated	.45	.43	.41	.39
290001CB	200-039 ⊕	3	RG-6 twist-on nickel plated	.79	.69	.45	.32
289975CB	200-040 ⊕	3	RG-59 twist-on nickel plated	.79	.69	.45	.32
289924CB	200-038 ⊕	4	RG-6 crimp-on weatherproof seal, brass	.69	.59	.49	.39
314510CB	200-024 ⊕	4	RG-6 crimp-on weatherproof sea	.55	.46	.37	.33

75Ω "F" Connectors/Adapters/Terminators

JAMECO ValuePro

A Jameco EXCLUSIVE


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8

Part No.	Cross Ref. No.	Fig.	Description	1	10	50	100
291581CB	200-016 ⊕	1	Perma-seal, RG-59 coax	$.69	$.59	$.55	$.49
291531CB	200-028 ⊕	1	Perma-seal, RG-6 coax	.69	.59	.55	.49
291709CB	200-050 ⊕	2	F-jack to jack (nickel)	.65	.55	.475	.38
291725CB	200-051 ⊕	2	F-jack to jack (gold)	.95	.85	.79	.75
295371CB	200-053 ⊕	3	F-panel mount jack to jack (nickel)	.65	.55	.475	.38
295380CB	200-107 ⊕	4	F-R/A jack to plug (nickel)	1.59	1.39	1.16	.95
295398CB	200-103 ⊕	5	F-jack to push-on plug (nickel)	.85	.69	.627	.523
295435CB	200-104 ⊕	5	F-jack to push-on plug (gold)	1.15	.99	.95	.89
295531CB	200-117 ⊕	6	F-jack to 3.5mm mono plug (nickel)	1.65	1.35	1.13	.93
295451CB	200-075 ⊕	7	F-plug terminator	.55	.45	.35	.25
309657CB	200-045 ⊕	8	RCA female to F male adapter	1.75	1.35	.97	.87

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Audio Adapters and Cables

RCA Audio Adapters

Part No.	Description	1	10	25	100
228283CB	RCA female jack to mono 1/4" male plug ⊕	$.99	$.89	$.69	$.55
228312CB	RCA male plug to 1/4" mono female jack ⊕	1.25	1.10	.79	.69
228267CB	RCA female to female jack coupler, gold plated ⊕	.95	.79	.55	.45
159441CB	RCA female to female jack coupler, metal ⊕	1.15	.99	.87	.65
228339CB	RCA F jack to 3.5mm mono M plug, gold plated ⊕	.75	.68	.62	.56
228291CB	RCA F jack to 3.5mm mono M plug, nickel plated ⊕	.59	.54	.49	.45

RCA Y-Cables

139037CB	5' Y-cable 1/8" stereo M plug to (2) RCA M plugs ⊕	$2.25	$1.99	$1.79	$1.61
228371CB	6" Y-cable (2) RCA M plugs to RCA F jack ⊕	.99	.89	.80	.72
228355CB	6" Y-cable RCA M plug to (2) RCA F jacks ⊕	1.29	1.15	1.06	.79
228380CB	6" Y-cable (2) RCA F jacks to 3.5mm stereo plug ⊕	1.95	1.76	1.59	1.19

3.5mm Audio Adapters

228275CB	3.5mm stereo female to female jack ⊕	$.41	$.37	$.34	$.32
309665CB	3.5mm stereo F jack to 3.5mm mono M plug ⊕	.95	.78	.61	.52
228304CB	3.5mm stereo M plug to (2) 1/4" stereo F jacks ⊕	.93	.84	.77	.70
228339CB	3.5mm mono M plug to RCA F jack, gold plated ⊕	.75	.68	.62	.56
228291CB	3.5mm mono M plug to RCA F jack, nickel plated ⊕	.59	.54	.49	.45

3.5mm Y-Cables

139037CB	5' Y-cable 1/8" stereo M plug to (2) RCA M plugs ⊕	$2.25	$1.99	$1.79	$1.61
228398CB	6" Y-cable (2) 3.5mm stereo female jacks to 3.5mm stereo male plugs ⊕	1.95	1.65	1.35	1.25
228380CB	6" Y-cable (2) RCA F jacks to 3.5mm stereo M plug ⊕	1.95	1.76	1.59	1.19



Perma Seal RCA/BNC Connectors

Use the color code chart below to replace the "xx" when ordering

02 – Red	04 – Yellow	05 – Green	09 – White	10 – Black	13 – Blue

e.g. **292102CB** – **2921** is the Jameco designation for RCA RG-59 plug and **02** is for color red

A Jameco EXCLUSIVE


292102CB

292410CB

Part No.	Description	1	10
2922xxCB	RCA RG-6 plug ⊕	$1.59	$1.49
2921xxCB	RCA RG-59 plug ⊕	1.59	1.49
2924xxCB	BNC RG-6 plug ⊕	1.89	1.79
2923xxCB	BNC RG-59 plug ⊕	1.89	1.79

Audio Connectors

- Adapters
- Jacks
- Cable connectors
- Male and female

XLR Phone Adapters and Jacks
XLR Lockable Speaker Connectors
BNC Connectors
1/4" Professional Phone Plugs



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Neutrik Audio/Video Connector Offering at www.Jameco.com/Prod/NeutrikAudio

Switchcraft® Audio/Video Products

Switchcraft is a leading supplier of a broad line of components for the audio, video, telecommunication, computer medical, military, appliance, transportation and instrumentation industries.



Jacks & Plugs ***Switches***
Patch cords ***Jack covers***
Pushbuttons ***Audio connectors*** ***Receptacles***

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Switchcraft Audio/Video Connector Offering at www.Jameco.com/Prod/SwitchcraftAV

Component Video and Audio Cables

Component video cables connect the latest video equipment like DVD players equipped with component video output jacks to LCD or plasma televisions, projectors and other component video devices.

- Low-loss 75Ω oxygen-free copper center conductors and foam dielectric provide maximum signal transfer bandwidth for improved picture quality and performance
- Corrosion resistant, precise 24k gold-plated connectors ensure long lasting quality
- Fully molded color coded connectors attached to an ultra-flexible PVC jacket provide excellent strain relief, easy installation, and identification
- 100%, 0.012mm aluminum-polyester foil shielding and spiral-wound copper-braid shielding provide clear, noise-free, vivid picture quality


228638CB


229403CB

Part No.	Description	1	2	5
228620CB	6' component video RGB cable ⊕	$9.99	$8.99	$7.96
228638CB	12' component video RGB cable ⊕	19.95	17.95	16.16
228646CB	25' component video RGB cable ⊕	25.95	23.36	21.02
229403CB	6' component video RGB and stereo audio cable ⊕	14.95	13.46	12.11
229411CB	12' component video RGB and stereo audio cable ⊕	25.95	23.36	21.02
229420CB	25' component video RGB and stereo audio cable ⊕	29.95	26.96	23.86

RG-6/RG-59 75Ω Coaxial Cables


287152CB


287232CB

Type	Length (ft.)	Part No. (Black)	Part No. (White)	1	5
RG-6	3	286977CB ⊕	287232CB ⊕	$1.69	$1.59
RG-59	3	85585CB ⊕	—	1.05	.95
RG-6	6	287101CB ⊕	287241CB ⊕	2.29	2.15
RG-6	12	287128CB ⊕	287259CB ⊕	3.69	3.49
RG-6	25	287152CB	287267CB ⊕	6.99	6.65
RG-6	50	287179CB ⊕	287275CB ⊕	13.49	12.75
RG-6	75	287208CB ⊕	287291CB ⊕	18.99	18.15
RG-59	75	355670CB	—	17.95	17.05
RG-6	75	297668CB	—	14.69	13.99
RG-6	100	287224CB ⊕	287304CB ⊕	24.99	23.75

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

RCA Plugs

- High-quality plastic and metal housing RCA plugs



Gold plated metal housing w/ spring strain relief for 6.7mm cables

Part No.	Description	1	10	25	100
229876CB	Black ⊕	$1.89	$1.69	$1.55	$1.39
229868CB	Red ⊕	1.89	1.69	1.55	1.39
229884CB	White ⊕	1.89	1.69	1.55	1.39
230287CB	Yellow ⊕	1.89	1.69	1.55	1.39

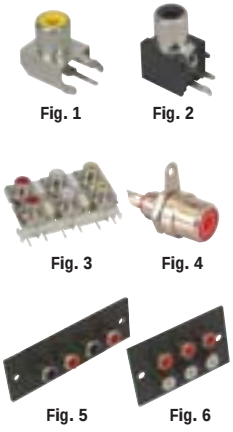
Plastic screw-on cover w/ integral cable protection

229921CB	Black (5 pk) ⊕	$1.15	$1.05	$.91	$.85
229930CB	Red (5 pk) ⊕	1.15	1.05	.91	.85
229913CB	White (5 pk) ⊕	1.19	1.09	.95	.89
229892CB	Yellow (5 pk) ⊕	1.19	1.09	.95	.89

RCA Jacks

- Standard RCA jacks for audio and video signals

Part No.	Fig.	Description	Dimensions	1	10	100	1000
220581CB	1	PCB mount, white ⊕	.44"W x .56"D x .48"H	$.45	$.31	$.28	$.22
220556CB	1	PCB mount, red ⊕	.44"W x .56"D x .48"H	.45	.31	.28	.22
220572CB	1	PCB mount, black ⊕	.44"W x .56"D x .48"H	.45	.31	.28	.22
220564CB	1	PCB mount, yellow ⊕	.44"W x .56"D x .48"H	.45	.31	.28	.22
112475CB	1	PCB mount, red ⊕	.44"W x .58"D x .48"H	.39	.35	.31	.19
169501CB	2	PCB mount, black ⊕	.40"W x .85"D x .50"H	.39	.35	.32	.26
237016CB	3	PCB mnt., 2x3 grid, red/wht/yel	2.0"W x .45"D x 1.10"H	.89	.79	.69	.65
159484CB	4	Panel mount, black ⊕	.84"W x .38"H	.49	.39	.33	.24
172339CB	4	Panel mount, red ⊕	.84"W x .38"H	.49	.39	.31	.23
319231CB	5	Panel mount, 1x2 grid, red/wht ⊕	2.1"W x .48"D x .78"H	.79	.69	.65	.62
319249CB	5	Panel mount, 1x4 grid, red/blk ⊕	2.9"W x .48"D x .98"H	1.19	.99	.94	.89
319257CB	6	Panel mount, 2x2 grid, red/wht ⊕	2.0"W x .48"D x 1.38"H	1.19	.99	.94	.89
319265CB	6	Panel mount, 2x3 grid, red/wht ⊕	2.3"W x .48"D x 1.41"H	1.29	1.15	1.09	1.03
319071CB	6	Panel mount, 2x4 grid, red/blk ⊕	3.0"W x .49"D x 1.40"H	1.39	1.19	1.13	1.07



See page 148 for Power Jacks and Plugs.

Interconnects

Switchcraft – For Highest Quality Connectors

Switchcraft® Audio Plugs and Jacks



Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
281869CB	750 ⊕	1	3.5mm mono audio plug, plastic	14.0mm x 41.5mm x 5.7mm ID	$2.49	$2.17	$1.99	$1.81
281834CB	41 ⊕	2	3.5mm audio jack	7.8mm x 5.9mm	1.29	1.22	1.15	1.09
297019CB	125 ⊕	3	3.5mm mono jack, metal	31.75mm x 10.3mm Dia.	5.19	4.54	4.08	4.01
296930CB	42A ⊕	11	3.5mm mono phono audio jack, metal	15.9mm x 12.7mm Dia.	1.75	1.60	1.52	1.48
297035CB	142A ⊕	4	3.5mm mono jack, plastic	21.03mmL x 9.52mm W x 12.7mmH.	2.19	2.04	1.93	1.90
297297CB	850 ⊕	5	2.5mm mono phono audio plug, plastic	25.8mm x 6.35mm Dia.	2.99	2.91	2.84	2.76
297625CB	TR2A ⊕	6	2.5mm mono audio jack, metal	12.6mm x 8.2mm Dia.	2.09	1.94	1.85	1.83
281789CB	297 ⊕	7	1/4" stereo phone audio plug, metal	73.7mm x 7.6mm ID	4.59	3.82	3.19	2.91
281771CB	280 ⊕	8	1/4" mono phone audio plug, metal	73.7mm x 7.6mm ID	3.15	2.82	2.58	2.36
281762CB	267 ⊕	9	1/4" stereo phone audio plug, plastic	73.7mm x 7.6mm ID	4.25	3.22	2.95	2.69
281754CB	250 ⊕	10	1/4" mono phone audio plug, plastic	73.7mm x 7.6mm ID	2.55	2.39	2.13	1.94
281746CB	12B ⊕	11	1/4" stereo phone audio jack	14.7mm x 9.1mm Dia.	1.49	1.39	1.32	1.24
281738CB	11 ⊕	12	1/4" mono phone audio jack	12.8mm x 9.1mm Dia.	1.39	1.29	1.19	1.15
296892CB	12A ⊕	11	1/4" mono phono audio jack, metal	31.7mm x 9.4mm Dia.	1.79	1.43	1.33	1.26
296905CB	13B ⊕	11	1/4" mono phono audio jack, metal	30.6mm x 9.4mm Dia.	4.15	3.76	3.37	3.22
296956CB	70 ⊕	8	1/4" mono phono audio plug, metal	84.8mm x 9.7mm ID	6.79	5.48	4.93	4.44
297001CB	121 ⊕	13	1/4" mono phono audio jack, metal	63.5mm x 12.7mm Dia.	7.15	5.87	5.22	4.74
297043CB	151 ⊕	14	1/4" mono phono audio jack, metal	57.15mm x 15.87mm Dia.	5.99	4.65	4.30	4.25
297060CB	170 ⊕	15	1/4" mono phono audio jack, metal	69.4mm x 17.46mm Dia.	7.89	5.99	5.58	5.32
297107CB	226 ⊕	16	1/4" mono phono audio jack, RA, metal	46.4mm x 15.9mm Dia.	3.89	3.70	3.23	2.93
296913CB	14B ⊕	11	1/4" stereo phono audio jack, metal	31.6mm x 9.4mm Dia.	4.19	3.81	3.65	3.44
297051CB	152B ⊕	14	1/4" stereo phono audio jack, metal	57.15mm x 15.87mm Dia.	5.75	5.11	5.02	4.89
297158CB	290 ⊕	17	1/4" stereo phono audio jack, metal	42.9mm x 12.7mm Dia.	6.19	4.78	4.38	4.16
297123CB	236 ⊕	16	1/4" stereo phono audio jack, RA, metal	46.4mm x 15.9mm Dia.	4.89	4.83	4.43	4.11
297140CB	238 ⊕	18	1/4" stereo phono audio jack, RA, metal	41.28mm x 19.84mm Dia.	5.55	5.30	4.95	4.70
296972CB	111 ⊕	19	1/4" mono phono audio jack, plastic	34.8mm x 15.87mm Dia.	1.45	1.31	1.25	1.21
297537CB	N111 ⊕	19	1/4" mono phono audio jack, plastic	34.8mm x 15.87mm Dia.	1.69	1.54	1.47	1.43
302543CB	240 ⊕	10	1/4" mono phono audio jack, black	78.3mm x 7.5mm ID	2.99	2.72	2.59	2.55
297115CB	228 ⊕	20	1/4" mono phono audio jack, RA, metal	42.1mm x 25.4mm Dia.	4.25	3.75	3.25	3.15
296981CB	112B ⊕	19	1/4" phono audio jack, 3C, plastic	34.8mm x 15.87mm Dia.	1.59	1.41	1.38	1.33
297027CB	131 ⊕	13	1/4" phono audio jack, 3C, plastic	63.5mm x 12.7mm Dia.	10.49	7.82	6.88	6.43
297271CB	515 ⊕	21	1/4" jack cover	27.2mm x 21.9mm	7.15	6.95	6.79	6.63



Switchcraft® DIN Connectors

Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
296948CB	61HA5F ⊕	1	5-pin DIN receptacle, panel mount	20mm x 17mm Dia.	$4.09	$3.28	$3.02	$2.93
296876CB	05BL5M ⊕	2	5-pin DIN plug, metal	59.2mm x 13.6mm Dia.	4.99	4.57	4.11	3.91
296884CB	05GM5M ⊕	3	5-pin DIN plug, gray plastic	63.3mm x 13.6mm Dia.	4.55	3.72	3.28	3.12



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Switchcraft is a leading supplier and manufacturer of electronic and electromechanical components for the audio, video, telecommunication, computer, medical, military, appliance, transportation and instrumentation industries. Their components include jacks, connectors, jack panels, plugs, jackfields, patch cords, power plugs, switches, EAC power receptacles and molded cable assemblies.

Switchcraft® Microphone (XLR) Connectors

Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
277026CB	A3F	1	3-pin female, metal	82.5mm x 5.3mm Dia.	$4.49	$3.99	$3.58	$3.26
277034CB	A3FB	2	3-pin female, black	82.0mm x 5.3mm Dia.	5.19	3.99	3.65	3.33
281560CB	A3M	3	3-pin male, metal	70.3mm x 5.3mm Dia.	3.79	3.17	2.83	2.58
281578CB	A3MB	4	3-pin male, black	70.3mm x 6.1mm Dia.	4.59	3.53	3.24	2.95
297422CB	C3F	7	3-pin female, metal, panel mount	36.9mm x 36.5mm Dia.	7.85	7.04	6.22	5.63
297431CB	C3M	8	3-pin male, metal, panel mount	30.2mm x 36.3mm Dia.	5.65	4.28	3.97	3.92
281640CB	D3F	5	3-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	5.89	4.50	4.13	3.75
281658CB	D3M	6	3-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	4.35	3.33	3.06	2.78
281720CB	J3FS	9	3-pin female, wall plate	69.9mmW x 114.3mmH	23.19	20.88	18.79	16.82
281586CB	A4F	1	4-pin female, metal	82.0mm x 5.5mm Dia.	7.25	5.56	5.09	4.64
281594CB	A4M	3	4-pin male, metal	71.2mm x 4.8mm Dia.	4.59	4.08	3.68	3.32
297449CB	C4F	7	4-pin female, metal, panel mount	36.9mm x 36.5mm Dia.	12.15	9.11	8.35	7.97
297457CB	C4M	8	4-pin male, metal, panel mount	30.2mm x 36.3mm Dia.	7.19	5.48	5.02	4.82
281666CB	D4F	5	4-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	8.35	6.38	5.85	5.32
281674CB	D4M	6	4-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	5.19	3.96	3.63	3.31
281607CB	A5F	1	5-pin female, metal	82.0mm x 4.7mm Dia.	12.09	9.06	8.31	7.55
281615CB	A5M	3	5-pin male, metal	70.2mm x 5.3mm Dia.	9.35	7.18	6.58	5.92
281682CB	D5F	5	5-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	13.39	10.32	9.46	8.55
281691CB	D5M	6	5-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	9.25	7.01	6.43	5.84
281623CB	A6F	1	6-pin female, metal	80.2mm x 4.6mm Dia.	10.79	10.25	9.45	8.32
281631CB	A6M	3	6-pin male, metal	70.5mm x 4.5mm Dia.	9.55	8.78	8.15	7.51
281703CB	D6F	5	6-pin female, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	18.95	14.19	13.02	11.83
281711CB	D6M	6	6-pin male, metal, panel mount	27mmW x 36.3mmH x 30.6mmD	12.35	11.80	9.49	8.30


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7




Fig. 8


Side View

Fig. 9


Front View

Switchcraft® RCA Plugs and Jacks

Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
281826CB	3503	10	RCA phono audio jack, metal	43.2mm x 7.6mm ID	$2.59	$2.52	$2.45	$2.38
281818CB	3502A	11	RCA phono audio plug, nickel	42.4mm x 7.3mm ID	1.85	1.66	1.54	1.40
281800CB	3502	12	RCA mono phono audio plug, metal	33.8mmL x 5.0mm ID	1.75	1.37	1.21	1.10
281797CB	3501FP	13	RCA phono audio jack, metal	16.3mm x 6.0mm Dia.	1.29	1.00	.97	.93


Fig. 10


Fig. 11


Fig. 12


Fig. 13

Switchcraft® Power Plugs and Jacks

Part No.	Product No.	Fig.	Description	Dimensions	1	10	25	100
281842CB	712A	14	2.5mm DC power jack, panel mount	15.8mm x 7.5mm Dia.	$2.05	$2.02	$1.98	$1.88
281851CB	722A	14	2.1mm DC power jack, panel mount	15.1mm x 7.5mm Dia.	2.09	1.94	1.87	1.80
297588CB	RAPC722	16	2.0mm x 5.5mm DC pwr. jack, RA	10.9mmH x 8.8mmW x 14.3mmD	.85	.77	.71	.68
297561CB	PC722A	15	2.0mm x 5.5mm DC power jack, metal	23.3mm x 11.0mm Dia.	2.35	2.09	1.93	1.91
297570CB	RAPC712	16	2.5mm x 5.5mm DC pwr. jack, RA	10.9mmH x 8.8mmW x 14.3mmD	.86	.77	.71	.68
297553CB	PC712A	15	2.5mm x 5.5mm DC power jack, metal	23.3mm x 11.0mm Dia.	2.99	2.77	2.59	2.53
297529CB	L712A	17	2.5mm x 5.5mm DC power jack, metal	23.3mm x 11.0mm Dia.	3.75	3.50	3.05	2.75
281877CB	760	18	2.5mm x 5.5mm DC power plug, plastic	9.6mm x 36.3mm x 5.7mm Dia.	2.15	1.94	1.76	1.66
297617CB	S760	18	2.1mm x 5.5mm DC power plug, plastic	25.4mm x 9.5mm Dia.	1.99	1.94	1.80	1.73
297289CB	761K	19	2.5mm x 5.5mm DC power plug, plastic	25.4mm x 9.5mm Dia.	3.99	3.59	3.47	3.35


Fig. 14


Fig. 15


Fig. 16


Fig. 17


Fig. 18


Fig. 19

JAMECO ValuePro Microphone (XLR) Connectors

A Jameco EXCLUSIVE


319011CB


319003CB


319046CB


319038CB

Part No.	Cross Ref. No.	Description	1	10
319011CB	250-710	3-pin male microphone, metal	$2.35	$2.17
319003CB	250-720	3-pin female microphone, metal	2.29	2.20
319046CB	250-700	3-pin male microphone, metal, panel mount	3.25	2.79
319038CB	250-705	3-pin female microphone, metal, panel mount	4.15	3.39

JAMECO ValuePro Professional Microphone (XLR) Cables and Adapters

A Jameco EXCLUSIVE


305251CB


305200CB


305285CB


305277CB

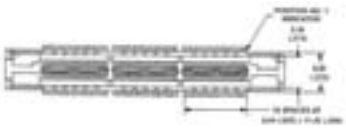

305293CB/307694CB

Part No.	Cross Ref. No.	Description	1	10
305251CB	251-310	3-pin female to female gender changer	$7.49	$6.99
305200CB	251-320	3-pin male to male gender changer	7.49	6.99
305285CB	251-330	1/4" jack to 3-pin female XLR adapter	8.95	7.95
305277CB	251-340	1/4" jack to 3-pin male XLR adapter	7.95	7.15
305293CB	255-290	1/4" jack to 3-pin XLR female cable, 20'	10.39	9.85
307694CB	255-293	1/4" jack to 3-pin XLR female cable, 60'	20.95	19.85

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

AMP MICTOR® Receptacles



- Level III board-to-board connector
- High density and controlled impedance
- Redundant contact design

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP Mate-N-Lok Series Offering at www.Jameco.com/Prod/AMPMICTOR

AMP Z-Pack Connectors



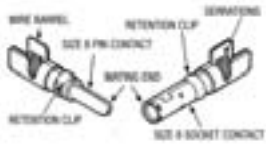
- 55-125 contacts
- Right angle female connectors
- Standard and reduced crosstalk versions
- Glass filled polyester housing

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP Z-Pack Connector Offering at www.Jameco.com/Prod/AMPZPack

AMP Multimate Contacts

- "G" series modular connectors
- Contact size: 16
- Pin diameter: 0.062"
- Test current: 13A
- Copper alloy material



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP Mate-N-Lok Series Offering at www.Jameco.com/Prod/AMPMultimate

molex MX150L Sealed Connectors

The MX150L™ sealed connector system is designed to meet the needs for a rugged, environmentally sealed connector system supporting both low-level signal and power applications.



- Single and Dual Row
- Pre-tin or Select Gold Plating
- Terminal Position Assurance
- 2 to 16 Circuits
- 14 to 22 AWG
- 18.0 A Max

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Molex MX150L Series Offering at www.Jameco.com/Prod/MolexMX150L

AMP AMPLIMITE™ D-Sub Connectors

Subminiature HD-20



- Right-angle and straight posted connectors
- Straight exit RFI/EMI shield for jacketed cables

Subminiature HD-22

- Right-angle posted connector
- Brass pins, phosphor bronze sockets

HDE-20 IDC Connectors

- Steel, tin-plated shell

HDF-20 for Flat Ribbon Cable

- Low profile metal plugs and receptacles
- Low profile all-plastic for round conductor cable

Input/Output Connectors

- Low profile plugs and receptacles for flat ribbon cable
- Steel, tin-plated shell

HDP-20 Connectors

- Crimp snap-in contact connectors
- Shielding hardware enclosure kits
- Ferrules for shielding hardware enclosure kits

HDP-22 Snap-In Contact Connectors

- Precision formed plugs and receptacles

Microminiature Connectors

- .050" series board mount connectors

Cable Clamps Shielded & Unshielded

- Straight clam shell with 45˚ exit
- All-plastic for jacked cables
- Straight 90˚ exit box and lid
- Clamp kits with grommets

Connector Hardware

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMPLIMITE D-Sub Connector Offering at www.Jameco.com/Prod/AMPLIMITE

AMP Connector & Wire Tools

Insertion and Extraction Tools
Crimpers
T-Handles



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP Hand Tool Offering at www.Jameco.com/Prod/AMPTools

Over 99% of Our Products Are In Stock

Place your order by 6PM EST for same business day shipment.

Cinch D-Sub Connectors

DxKL Series



- Metal shell provides grounding and shielding capability
- Insulation: glass filled polyester
- Right angle or vertical PCB

DxU Series

- Metal shell
- Crimp & poke
- Insulation: glass filled nylon
- Right angle or vertical PCB

Tx Series

- Metal shell
- All plastic Solder cup or IDC
- Insulation: glass filled polyester
- Contact material: Phosphor bronze

Basic D Series

- Metal shell
- Solder cup, vertical PCB or wire wrap
- Insulation: glass filled polyester

M24308 Series MIL-C-24308

- Class G
- Metal shell
- Solder cup, vertical PCB or wire wrap
- Insulation: glass filled Diallyl phthalate
- Contact material: Phosphor bronze and brass

SDH Series Super D Backshells

- Simple, fast, economical and reliable way for mating connectors from cable to cable or cable to panel
- Straight or right angle

DxH Series 2-Piece Backshells

- Available in plastic, metallized plastic or diecast zinc
- Fits standard D-sub plugs and sockets

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Cinch D-Sub Connector Series Offering at www.Jameco.com/Prod/CinchDSub

AMP CPC Circular Plastic Connector

Series 1, 2 & 3



- For cable or panel mount
- Square flange and free hanging
- Power contact

Signal Contacts

- Crimp contacts
- Insulation support

Power Contacts

- Type XII
- Precision formed

Connector Accessories

- Flexible cable boot and internal grip
- Keying plugs
- Cable clamps
- Sealing caps

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP Circular Plastic Connector Offering at www.Jameco.com/Prod/AMPCircular

Amphenol RF Series 44 Circular Connector Tools NEW

Part No.	Product No.	Description	1	10	100
567568CB	356-258♠	Insertion tool	$41.05	$38.97	$37.02
567576CB	356-259♠	Pin extractor	24.69	23.46	22.29
567592CB	356-260♠	Socket extractor	24.69	23.46	22.29

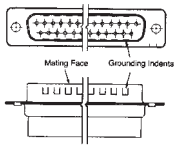
♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

AMP D-Subminiature Connectors

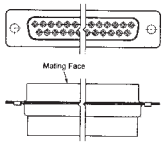
- Dielectric withstanding voltage: 1000VAC (one minute)
- Insulation resistance: 5000MΩ
- Nylon, flame retardant, 94V-0 rated, glass filled
- UL/CSA recognized and certified
- Low-cost, high-performance, precision formed crimp contacts
- Standard mounting method with 0.120" diameter mounting holes

Crimp-Type Contacts

- Current rating: 1.2A to 3.7A
- Intermateable with any size 20 D-sub dimensionally complying with MIL-C-24308
- Crimp snap-in contacts allows loading of only the number of contacts being used



Plug



Receptacle

Zinc-Plated Shell



222666CB



222711CB

Part No.	Product No.	Cont.	Description	1	10	100
222640CB	205204-1 ⊕	9	Plug	$.95	$.86	$.64
222658CB	205206-1 ⊕	15	Plug	1.39	1.24	.92
222666CB	205208-1 ⊕	25	Plug	1.05	.92	.82
222674CB	205210-1 ⊕	37	Plug	1.69	1.49	1.10
222682CB	205212-1 ⊕	50	Plug	2.09	1.79	1.69
222691CB	205203-1 ⊕	9	Receptacle	1.10	.99	.77
222703CB	205205-1 ⊕	15	Receptacle	1.25	1.10	.82
222711CB	205207-1 ⊕	25	Receptacle	1.05	.95	.71
222720CB	205209-1 ⊕	37	Receptacle	1.69	1.49	1.10
222738CB	205211-1 ⊕	50	Receptacle	2.09	1.79	1.69

Tin-Plated Shell



222818CB



222842CB



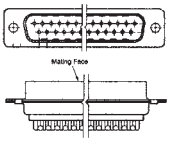
222922CB

Part No.	Product No.	Cont.	Description	1	10	100
222754CB	205204-3 ⊕	9	Plug	$1.29	$1.15	$.85
222762CB	205206-2 ⊕	15	Plug	1.49	1.29	.95
222771CB	207464-1 ⊕	25	Plug	.94	.80	.61
222789CB	205210-2 ⊕	37	Plug	1.69	1.49	1.10
222797CB	205204-4 ⊕	9	Plug*	.83	.75	.57
222800CB	205206-3 ⊕	15	Plug*	.99	.89	.65
222818CB	207464-2 ⊕	25	Plug*	.88	.78	.58
222826CB	205210-3 ⊕	37	Plug*	1.69	1.49	1.12
222834CB	205212-3 ⊕	50	Plug*	1.79	1.59	1.19
222842CB	205203-3 ⊕	9	Receptacle	.69	.59	.52
222914CB	205205-2 ⊕	15	Receptacle	.88	.78	.58
222922CB	207463-1 ⊕	25	Receptacle	.99	.89	.68
222931CB	205209-2 ⊕	37	Receptacle	1.19	1.05	.78
222949CB	205211-2 ⊕	50	Receptacle	2.09	1.79	1.63

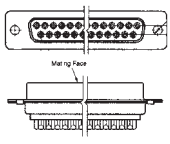
* With grounding indents

Solder-Cup Contacts

- Current rating: 1.2A to 3.0A
- Intermateable with other D-sub connectors
- One-piece 94V-0 rated plastic insert
- Preloaded duplex-plated solder-cup contacts
- Shields offer full EMI shielding and ESD insulation
- Anti-solderwicking contact design



Plug



Receptacle

Zinc-Plated Shell



222973CB



223044CB

Part No.	Product No.	Cont.	Description	1	10	100
222957CB	747904-4 ⊕	9	Plug	$1.89	$1.59	$1.32
222965CB	747908-4 ⊕	15	Plug	2.65	2.19	1.75
222973CB	747912-4 ⊕	25	Plug	3.69	3.10	2.49
222981CB	747916-4 ⊕	37	Plug	5.45	4.56	3.79
223036CB	747905-4 ⊕	9	Receptacle	2.65	2.23	1.76
223044CB	747913-4 ⊕	25	Receptacle	4.75	3.99	3.19

Tin-Plated Shell



223010CB

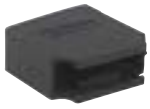


223079CB

Part No.	Product No.	Cont.	Description	1	10	100
222990CB	747904-2 ⊕	9	Plug	$1.69	$1.55	$1.15
223001CB	747908-2 ⊕	15	Plug	2.79	2.49	1.85
223010CB	747912-2 ⊕	25	Plug	3.29	2.95	2.19
223028CB	747916-2 ⊕	37	Plug	5.29	4.29	3.49
223052CB	747905-2 ⊕	9	Receptacle	2.35	2.09	1.55
223061CB	747909-2 ⊕	15	Receptacle	3.45	2.99	2.19
223079CB	747913-2 ⊕	25	Receptacle	4.09	3.69	2.72
223087CB	747917-2 ⊕	37	Receptacle	6.65	5.69	4.19

AMP Plastic Hoods for D-Sub Connectors

- Cable clamp type: clam shell
- Cable exit angle: straight
- Standard clam shell length
- Body material, cable support gate, and cable clamp: thermoplastic
- Screw material: steel
- Screw plating: zinc



230914CB

Part No.	Product No.	Positions	1	10	100
230893CB	205729-1 ⊕	9	$2.25	$1.85	$1.46
230906CB	205730-1 ⊕	15	2.35	2.10	1.85
230914CB	205718-1 ⊕	25	2.05	1.69	1.32
230922CB	205731-1 ⊕	37	2.99	2.63	2.29
230931CB	205732-1 ⊕	50	3.19	2.65	2.19

D-Sub Pin Insertion/ Extraction Tools

AMP



19094CB

19094CB/223335CB: Plastic body; metal tips

223327CB: Handle with .050" hex wrench & exchangeable tips



223327CB

Part No.	Description	1	10	100
19094CB	Red/white plastic body	$2.79	$2.49	$2.15
223335CB	AMP# 91067-2 ⊕	4.99	4.49	4.25
223327CB	AMP# 91285-1 ⊕	19.99	18.99	17.99

AMP D-Sub Contacts

- Pin material: brass; socket material: phosphor bronze
- Contact plating
- ***A:** Select – gold flash over nickel on entire contact, with additional gold (0.000030") on mating end; ***B:** Duplex – gold (0.000030") on mating end, tin-lead on termination end, with entire contact nickel underplated; ***C:** gold flash over nickel on entire contact; ***D:** gold flash on mating end, tin-lead on termination end, with entire contact nickel underplated
- For use with AMP D-sub connectors (see left)
- **Minimum order 10 pieces**



*Fig. 1 (male)



*Fig. 2 (female)

With Insulation Support

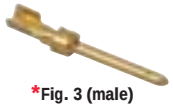


*Fig. 3 (male)



*Fig. 4 (female)

Without Insulation Support



*Fig. 5 (male)



*Fig. 6 (female)

Without Insulation Support

Male Crimp Contacts

Part No.	Product No.	Desc.*	AWG	10	100	1000
223095CB	1-66507-0 ⊕	1C	28-24	$.24	$.17	$.12
223124CB	66682-4 ⊕	1A	28-24	.22	.16	.14
223108CB	66507-9 ⊕	1A	28-24	.18	.12	.09
223132CB	745254-7 ⊕	1C	26-22	.25	.18	.128
223141CB	745254-6 ⊕	1A	26-22	.25	.18	.13
223159CB	1-745254-6 ⊕	1B	26-22	.25	.18	.13
223167CB	1-66506-0 ⊕	1C	24-20	.16	.15	.12
223175CB	205202-7 ⊕	3C	24-20	.24	.17	.14
223183CB	5-66506-9 ⊕	1D	24-20	.21	.15	.13
223191CB	66506-9 ⊕	1A	24-20	.16	.15	.10
223204CB	5-66506-7 ⊕	1B	24-20	.24	.17	.12
223212CB	745229-4 ⊕	3A	22-18	.26	.24	.19

Female Crimp Contacts

Part No.	Product No.	Desc.*	AWG	10	100	1000
223221CB	1-66505-0 ⊕	2C	28-24	$.18	$.12	$.09
223239CB	66683-4 ⊕	2A	28-24	.16	.126	.102
223247CB	745253-6 ⊕	2A	26-22	.27	.20	.14
223255CB	1-66504-0 ⊕	2C	24-20	.17	.15	.11
223263CB	205201-7 ⊕	4C	24-20	.26	.214	(.16)
223271CB	5-66504-7 ⊕	2D	24-20	.16	.12	.10
223280CB	205201-5 ⊕	4A	24-20	.25	.19	.14
223298CB	66504-9 ⊕	2A	24-20	.17	.15	.13
223301CB	6-66504-0 ⊕	2B	24-20	.26	.214	(.16)

Male Solder Contact

Part No.	Product No.	Desc.*	AWG	10	100	1000
234982CB	66570-3 ⊕	5A	28-24	$.22	$.12	$.11

Female Solder Contact

Part No.	Product No.	Desc.*	AWG	10	100	1000
223319CB	66569-3 ⊕	6A	18 (max.)	$.225	$.18	$.162

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

D-Sub Connector Hoods



15085CB Plastic



25620CB Metallized

- Use with D-sub solder cup and housing style connectors (hardware included)

A Jameco EXCLUSIVE

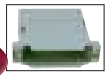
D Series: plastic hood with strain relief (gray)
MD Series: metal coated plastic hood w/ strain relief
MH Series: die-cast metal hood with strain relief

Part No.	Cross Ref. No.	Connector	1	10	100	1000
15721CB	DB9H⊕	9-pin	$.49	$.45	$.39	$.35
25620CB	MDB9H⊕	9-pin	.59	.49	.39	.35
147740CB	MHDB9⊕	9-pin	1.45	1.29	1.15	.99
15018CB	DA15H⊕	15-pin	.49	.45	.40	.35
25566CB	MDA15H⊕	15-pin	.56	.44	.36	.31
15085CB	DB25H⊕	25-pin	.45	.39	.35	.32
25603CB	MDB25H⊕	25-pin	.59	.49	.42	.35
15106CB	MHDB25⊕	25-pin	1.39	1.19	1.09	.92
15456CB	DC37H⊕	37-pin	.59	.55	.45	.39
25611CB	MDC37H⊕	37-pin	.75	.69	.59	.53
15659CB	DD50H⊕	50-pin	.99	.85	.75	.65

25-Pin Dual Plastic Hood

Designed for custom applications requiring two D-sub connectors. Applications include custom jumper boxes and interconnects.





Shown assembled

A Jameco EXCLUSIVE

Part No.	Description	1	10	100	500
34091CB	25-pin, plastic dual⊕	$.95	$.85	$.75	$.59

4-40 Screw Hardware for D-Subminiature Connectors

4-40 x .187" Jack Screws and Standoffs



108986CB



102795CB



125014CB

✳ **Minimum order 10 pieces**

Part No.	Description	1	10	100	1000
196293CB	.252"L jack screw⊕ ✳	$.21	$.12	$.08	
169931CB	.275"L jack screw⊕ ✳	.15	.13	.11	
172603CB	.315"L jack screw⊕ ✳	.121	.101	.076	
102816CB	.435"L jack screw⊕	.49	.46	.41	.37
108986CB	.515"L jack screw⊕	.55	.50	.45	.40
125014CB	4-40 x 1.65"L plastic beige thumbscrew⊕	.39	.35	.32	.25
175636CB	.187"L standoff⊕ ✳	.21	.15	.10	
102795CB	.236"L (6mm) stdf⊕ ✳	.21	.15	.10	

4-40 Screw Sets





102808CB



16547CB

102808CB: 4-40 screw (.30"L) and retainer set
16547CB: 4-40 x .187" jack screw (.31"L thread), washer, lock washer, and nut set

- **Minimum order 10 pieces**

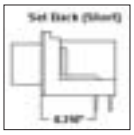
Part No.	Description	10	100	1000
102808CB	Screw/retainer set⊕	$.39	$.35	$.30
16547CB	Screw/nut set⊕	.31	.25	.17

D-Subminiature Connectors

A Jameco EXCLUSIVE

- Metal shells are tin-plated for improved EMI/RFI shielding
- Insulation resistance: minimum 1000MΩ at 500VDC
- Dielectric withstanding voltage: 1000V (one minute)
- Current rating: 1A to 5A
- High temperature thermoplastic
- Insulation material: PBT

Right Angle PC Mount



Metal .318" Set Back

- Short style
- Lead length: .138"
- Lead spacing: .115"
- Current rating: 1A



15149CB

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100	500
104942CB	DB9P318⊕	9	M	$.55	$.50	$.45	$.38
104951CB	DB9S318⊕	9	F	.60	.55	.49	.45
71124CB	DA15P318⊕	15	M	.69	.59	.55	.49
77956CB	DA15S318⊕	15	F	.79	.69	.65	.45
168743CB	HDDB15S318⊕	15*	M	.69	.62	.56	.51
71466CB	HDDB15S318⊕	15*	F	.59	.53	.48	.39
15149CB	DB25P318⊕	25	M	.79	.65	.55	.45
15181CB	DB25S318⊕	25	F	.89	.79	.72	.65
265439CB	DSUB-25F	25	F	.85	.73	.62	.48
71706CB	DC37P318⊕	37	M	.99	.89	.80	.66
78182CB	DC37S318⊕	37	F	1.15	1.03	.86	.61

*High Density

Metal .590" Set Back

- Lead length: .178"
- Lead spacing: .104"
- Current rating: 1A
- Long style



104977CB

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
104969CB	DB9P590⊕	9	M	$.99	$.83	$.72
104977CB	DB9S590⊕	9	F	.89	.79	.75
104993CB	DA15S590⊕	15	F	1.05	.91	.63
105005CB	DB25P590⊕	25	M	.99	.89	.79
105013CB	DB25S590⊕	25	F	1.25	1.12	.99

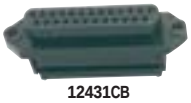
Other Manufacturers — Great Deals

189624CB	DB25P590†	25	M	$.29	$.26	$.24

† Without board tabs

IDC Ribbon Cable

- Current rating: 1 amp
- Insulation material: glass-filled polyester
- Temp range:-55°C to +120°C
- Contact material: phosphor bronze
- Terminates with standard D-type connectors
- Shell: MD: metal; CD: plastic (see mfr. cross ref. no.)



12431CB

Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
109225CB	MDB9P⊕†	9	M	$1.39	$1.29	$1.13
12503CB	CDB9P⊕	9	M	2.49	1.79	1.59
109217CB	MDB9S⊕†	9	F	1.55	1.23	1.08
12520CB	CDB9S⊕	9	F	2.59	2.35	2.09
117381CB	MDA15P⊕	15	M	1.65	1.32	.73
12298CB	CDA15P⊕	15	M	1.65	1.32	.79
116011CB	MDA15S⊕	15	F	1.55	1.25	.85
12319CB	CDA15S⊕	15	F	1.79	1.43	.66
115983CB	MDB25P⊕	25	M	2.05	1.83	1.54
12335CB	CDB25P⊕	25	M	1.89	1.69	1.29
115975CB	MDB25S⊕	25	F	2.05	1.83	1.54
12431CB	CDB25S⊕	25	F	1.95	1.79	1.39
115991CB	MDC37P⊕	37	M	2.39	2.15	1.55
12466CB	CDC37P⊕	37	M	3.09	2.79	2.49
116003CB	MDC37S⊕	37	F	3.25	2.94	2.65
12482CB	CDC37S⊕	37	F	3.49	2.99	2.25

† Requires flat cable w/ .0625" centers

Crimp-Type Connectors & Pins

- Connectors: metal shell; removable male/female crimp pins
- Male/female pins: gold plated contact; tinned crimp tail
- Insertion/extraction tool: exchangeable tips
- Use 99442CB, pg 280 to crimp 43377CB, 43369CB



180890CB



38771CB



43369CB

19094CB



✳ **Minimum order 10 pieces**

Part No.	Description	1	10	100	1000
73189CB	DB9 M housing⊕	$.49	$.39	$.31	$.19
73197CB	DB9 F housing⊕	.49	.39	.31	.19
73200CB	DA15 M housing⊕	.59	.53	.48	.43
73218CB	DA15 F housing⊕	.62	.56	.50	.44
180881CB	HDDB15 M housing⊕* ✳	1.09	.98	.78	.58
180890CB	HDDB15 F housing⊕* ✳	.89	.79	.72	.65
38789CB	DB25 M housing⊕	.56	.44	.36	.21
38771CB	DB25 F housing⊕	.55	.44	.31	.21
43377CB	M crimp pin⊕ ✳	.10	.09	.08	
43369CB	F crimp pin⊕ ✳	.08	.07	.06	
185421CB	M crimp pin (180881CB)⊕ ✳	.055	.045	.04	
185412CB	F crimp pin (180890CB)⊕ ✳	.055	.05	.04	
19094CB	Insert./extract. tool for above pins (HT101)⊕	2.79	2.49	2.15	2.04

* High Density

Metal Solder-Cup

- Compatible with 24 AWG communications and 22 AWG solid cable, pg 100



203799CB

Part No.	Contacts	Gender	1	10	100	1000
15747CB	9⊕	M	$.56	$.44	$.36	$.24
15771CB	9⊕	F	.59	.49	.44	.31
15077CB	15HD⊕*	M	.69	.59	.49	.31
164822CB	15HD⊕*	F	.79	.69	.59	.39
15034CB	15⊕	M	.55	.49	.42	.29
15051CB	15⊕	F	.59	.49	.39	.24
15114CB	25⊕	M	.99	.89	.79	.71
15157CB	25⊕	F	.89	.80	.69	.61
203799CB	26HD⊕*	M	.65	.58	.52	.49
203781CB	26HD⊕*	F	.75	.68	.61	.58
15472CB	37⊕	M	.99	.85	.79	.49
15499CB	37⊕	F	1.19	1.05	.85	.49
15675CB	50⊕	M	1.65	1.49	1.35	.99
15691CB	50⊕	F	1.79	1.39	1.32	1.19

Other Manufacturers — Great Deals

482687CB	25	M	$.89	$.80	$.71	$.45
482708CB	25	F	.80	.72	.62	.55
639630CB	37	M	1.07	.95	.77	.44
482724CB	37	F	1.05	.95	.80	.39
482732CB	50	M	1.49	1.34	1.21	.89
482741CB	50	F	1.65	1.25	1.19	1.07

* High Density

Metal Straight PC Mount

- Non-removable contacts
- Current rating: 5A
- Operating temp.: -65° to +250°F
- 125 Vrms

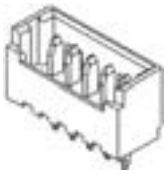
Part No.	Cross Ref. No.	Cont.	Gender	1	10	100
111691CB	DB9PPCB⊕	9	M	$.55	$.45	$.32
15780CB	DB9SPCB⊕	9	F	.55	.45	.32
176760CB	DA15PPCB⊕	15	M	.49	.44	.39
176751CB	DA15SPCB⊕	15	F	.49	.42	.31
15122CB	DB25PPCB⊕	25	M	.65	.59	.52
15165CB	DB25SPCB⊕	25	F	.74	.67	.39
180021CB	DC37SPCB⊕	37	F	.85	.72	.54

℞ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

.049" (1.25mm) Shrouded Vertical Header

53047 Series Value Equivalence

NEW



420363CB

- Wire to Board
- Blade pin
- Friction lock
- Current rating: 1A
- Voltage rating: 125V
- Withstanding voltage: 250VAC/1 min.
- Contact resistance: 20mΩ max.
- Insulation resistance: 100MΩ min.
- Housing material: PA polyamide (Nylon) 6/6
- UL94V-0 rated
- Contact material: phosphor bronze
- Contact and tail plating: tin

Part No.	Cross Ref. No.	Circuits	1	10	100
420339CB	9847-02R	2	$.33	$.268	$.192
420347CB	9847-03R	3	.37	.325	.235
420355CB	9847-04R	4	.47	.388	.28
420363CB	9847-05R	5	.57	.474	.336
420371CB	9847-06R	6	.65	.511	.369
420380CB	9847-07R	7	.67	.60	.43
420398CB	9847-08R	8	.72	.63	.456
420401CB	9847-09R	9	.80	.70	.501
420419CB	9847-10R	10	.88	.76	.547

.049" (1.25mm) Shrouded Right Angle Header

53048 Series Value Equivalence

NEW



420460CB

- Wire to Board
- Blade pin
- Friction lock
- Current rating: 1A
- Voltage rating: 125V
- Withstanding voltage: 250VAC/1 min.
- Contact resistance: 20mΩ max.
- Insulation resistance: 100MΩ min.
- Housing material: PA polyamide (Nylon) 6/6
- UL94V-0 rated
- Contact material: phosphor bronze
- Contact plating: tin
- Pin size: blade

Part No.	Cross Ref. No.	Circuits	1	10	100
420427CB	9848-02R	2	$.35	$.314	$.216
420435CB	9848-03R	3	.43	.383	.264
420443CB	9848-04R	4	.50	.433	.313
420451CB	9848-05R	5	.59	.545	.392
420460CB	9848-06R	6	.64	.556	.403
420478CB	9848-07R	7	.63	.54	.391
420486CB	9848-08R	8	.79	.68	.493
420494CB	9848-09R	9	.88	.75	.539
420507CB	9848-10R	10	.98	.94	.63

.049" (1.25mm) Pitch Housing

52021 Series Value Equivalence

NEW



420321CB

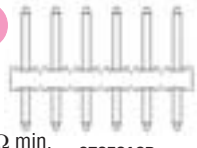
- Wire to board or wire to wire
- UL94V-0 rated
- Current rating: 1A
- Voltage rating: 125V
- Contact resistance: 20mΩ
- Insulation resistance: 100MΩ min.
- Housing material: PBT polyester
- Dielectric withstanding voltage: 250VAC/1 min.

Part No.	Cross Ref. No.	Circuits	1	10	100
420241CB	9821-02R	2	$.23	$.178	$.123
420259CB	9821-03R	3	.23	.217	.157
420267CB	9821-04R	4	.25	.233	.168
420275CB	9821-05R	5	.29	.26	.216
420283CB	9821-06R	6	.32	.268	.21
420291CB	9821-07R	7	.36	.308	.244
420304CB	9821-08R	8	.39	.34	.254
420312CB	9821-09R	9	.42	.363	.296
420321CB	9821-10R	10	.45	.387	.304

.079" (2.0mm) Dual Row Vertical Headers

87758 Series Value Equivalence

NEW



378581CB

- Wire to board or wire to wire
- UL94V-0 rated
- Current rating: 1A
- Voltage rating: 125V
- Contact resistance: 20mΩ
- Insulation resistance: 100MΩ min.
- Housing material: PBT polyester
- Dielectric withstanding voltage: 250VAC/1 min.

Part No.	Cross Ref. No.	Circuits	1	10	100
378521CB	GPFA202-0255A07R	4	$.35	$.292	$.24
378530CB	GPFA202-0355A07R	6	.67	.57	.418
378548CB	GPFA202-0455A07R	8	.68	.57	.464
378556CB	GPFA202-0555A07R	10	.58	.489	.40
378564CB	GPFA202-0655A07R	12	.72	.61	.496
378572CB	GPFA202-0755A07R	14	.75	.63	.512
378581CB	GPFA202-0855A07R	16	.78	.66	.528
378599CB	GPFA202-0955A07R	18	.89	.74	.60
378601CB	GPFA202-1055A07R	20	1.15	.96	.78
378610CB	GPFA202-1155A07R	22	1.16	.98	.79
378628CB	GPFA202-1255A07R	24	1.19	1.00	.81
378636CB	GPFA202-1355A07R	26	1.39	1.18	.96
378652CB	GPFA202-1555A07R	30	1.49	1.26	1.02
378708CB	GPFA202-2055A07R	40	1.89	1.60	1.30
378724CB	GPFA202-2255A07R	44	2.09	1.76	1.42
378759CB	GPFA202-2555A07R	50	2.09	1.80	1.46

.079" (2.0mm) Pitch Milli-Grid Right Angle Headers

87760 Series Value Equivalence

NEW



378804CB

- Current rating: 2A
- Voltage rating: 125V
- Withstanding voltage: 500VAC
- Contact Resistance: 25mΩ max.
- Insulation resistance: 1000MΩ
- Housing material: PCT Polyester, glass filled
- UL94V-0 rated
- Contact: Phosphor bronze
- Contact plating: 0.38um (15µ") gold selective
- Plating tail: 1.9um (75µ") tin
- Under plating: nickel
- Pin size: 0.50mm (0.20") square

Part No.	Cross Ref. No.	Circuits	1	10	100
378804CB	GPFB215-0655A12R	12	$.72	$.61	$.496
378812CB	GPFB215-0755A12R	14	.76	.64	.52
378821CB	GPFB215-0855A12R	16	1.06	.896	.712
378839CB	GPFB215-0955A12R	18	.91	.79	.62
378847CB	GPFB215-1055A12R	20	.91	.79	.62

.079" (2.0mm) Pitch Milli-Grid Housing

51110 Series Value Equivalence



377991CB

- Housing: polyester, glass filled
- Temperature: -55 C to +105 C
- Vertical wire entry angle
- Dual row

NEW

w/o Polarizing Key

Part No.	Cross Ref. No.	Circuits	1	10	100
377975CB	4521-04R	4	$.25	$.158	$.128
377983CB	4521-06R	6	.26	.166	.16
377991CB	4521-08R	8	.27	.173	.143
378003CB	4521-10R	10	.29	.19	.152
378011CB	4521-12R	12	.31	.197	.184
378020CB	4521-14R	14	.36	.284	.256
378038CB	4521-16R	16	.44	.276	.224
378046CB	4521-18R	18	.47	.30	.24
378054CB	4521-20R	20	.52	.331	.272
378062CB	4521-22R	22	.68	.61	.408
378071CB	4521-24R	24	.63	.402	.32
378089CB	4521-26R	26	.68	.426	.40
378097CB	4521-28R	28	.75	.466	.376
378100CB	4521-30R	30	.79	.497	.40

w/ Polarizing Key

Part No.	Cross Ref. No.	Circuits	1	10	100
378142CB	4521-08PRR	8	$.28	$.173	$.144
378151CB	4521-10PRR	10	.30	.189	.152
378169CB	4521-12PRR	12	.31	.197	.16
378177CB	4521-14PRR	14	.37	.229	.184
378185CB	4521-16PRR	16	.44	.276	.224
378193CB	4521-18PRR	18	.57	.505	.344
378206CB	4521-20PRR	20	.63	.55	.376
378214CB	4521-22PRR	22	.68	.61	.408
378222CB	4521-24PRR	24	.74	.66	.44
378231CB	4521-26PRR	26	.75	.71	.522
378249CB	4521-28PRR	28	.77	.466	.376
378257CB	4521-30PRR	30	.90	.529	.352

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No more high-priced brand markup… no more costly layers of distribution… no more restrictive franchise agreements that hold minimum prices high. Instead, Jameco cuts out the costly markups and layers of distribution and sells its products direct to you, so you can put the savings back in your wallet!

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Money Saving Tips for the Engineer

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

.062" (1.57mm) Power Connectors

- Passive friction lock • Housing: nylon; UL94V-2
- Voltage: 250V • Current: 5.0A
- Polarized housing assures proper mating
- Dielectric withstanding voltage: 1500VAC$_{RMS}$
- Contact retention to housing: 20 lbs. minimum
- Temp. range: -40˚C to +105˚C

Plugs


224485CB


230009CB


230084CB

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224477CB	03-06-2011 ⊕ *	1	$.29	$.16	$.13
224485CB	03-06-2023 ⊕ *	2	.30	.18	.15
224493CB	03-06-2032 ⊕ *	3	.31	.19	.16
224506CB	03-06-2042 ⊕ *	4	.39	.27	.24
224514CB	03-06-2044 ⊕ **	4	.39	.27	.24
230244CB	03-06-2055 ⊕ *	5	.47	.26	.24
224522CB	03-06-2061 ⊕ **	6	.45	.28	.25
224531CB	03-06-2092 ⊕ **	9	.49	.27	.24
224549CB	03-06-2122 ⊕ **	12	.52	.30	.25

*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
229948CB	03-06-2024 ⊕ *	2	$.30	$.17	$.14
229964CB	03-06-2033 ⊕ *	3	.35	.18	.15
229981CB	03-06-2041 ⊕ *	4	.47	.27	.24
230009CB	03-06-2043 ⊕ **	4	.47	.26	.24
230025CB	03-06-2054 ⊕ *	5	.47	.26	.24
230041CB	03-06-2062 ⊕ **	6	.47	.26	.24
230068CB	03-06-2091 ⊕ **	9	.47	.26	.24
230084CB	03-06-2121 ⊕ **	12	.55	.29	.26

*In-line **Grid

Receptacles


230252CB


229956CB


230092CB

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224397CB	03-06-1011 ⊕ *	1	$.29	$.16	$.13
224400CB	03-06-1023 ⊕ *	2	.30	.18	.15
224418CB	03-06-1032 ⊕ *	3	.31	.19	.16
224426CB	03-06-1042 ⊕ *	4	.39	.27	.24
224434CB	03-06-1044 ⊕ **	4	.39	.27	.24
230252CB	03-06-1056 ⊕ *	5	.55	.35	.31
224442CB	03-06-1062 ⊕ **	6	.45	.28	.25
224451CB	03-06-1092 ⊕ **	9	.49	.27	.24
224469CB	03-06-1122 ⊕ **	12	.52	.30	.25

*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
229956CB	03-06-1022 ⊕ *	2	$.31	$.16	$.14
229972CB	03-06-1038 ⊕ *	3	.32	.17	.15
229999CB	03-06-1041 ⊕ *	4	.49	.26	.23
230017CB	03-06-1043 ⊕ **	4	.49	.26	.23
230033CB	03-06-1055 ⊕ *	5	.59	.49	.36
230050CB	03-06-1061 ⊕ **	6	.47	.26	.23
230076CB	03-06-1091 ⊕ **	9	.47	.26	.23
230092CB	03-06-1121 ⊕ **	12	.49	.33	.30

*In-line **Grid

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/Molex062

.093" (2.36mm) Power Connectors

- Passive friction lock • Housing: nylon; UL94V-2
- Voltage: 250V • Current: 12A per circuit
- Dielectric withstanding voltage: 1500VAC$_{RMS}$
- Contact retention to housing: 20 lbs. minimum
- Temp. range: -40˚C to +105˚C

Plugs


229825CB


230261CB


230181CB

Without Mounting Ears

✳ Minimum order 10 pieces

Part No.	Product No.	Circuits	1	10	100
224063CB	03-09-2011 ⊕ *	1	$.29	$.18	$.12
224071CB	03-09-2022 ⊕ *	2	.30	.25	.18
224080CB	03-09-2032 ⊕ *	3	.41	.32	.21
224098CB	03-09-2042 ⊕ *	4	.45	.22	.20
229825CB	03-09-2049 ⊕ **	4	.45	.34	.26
230261CB	03-09-2057 ⊕ *	5	.55	.29	.26
224101CB	03-09-2062 ⊕ **	6	.49	.39	.29
224119CB	03-09-2092 ⊕ **	9	.55	.35	.30
224127CB	03-09-2121 ⊕ **	12	.69	.59	.39
462432CB	03-09-2151 ♠ **	15	✳	.59	.485
462441CB	03-09-2158 ♠ **	15	✳	.58	.54

*In-line **Grid

With Mounting Ears

✳ Minimum order 10 pieces

Part No.	Product No.	Circuits	1	10	100
230105CB	03-09-2021 ⊕ *	2	$.35	$.18	$.16
230121CB	03-09-2031 ⊕ *	3	.42	.22	.20
230148CB	03-09-2041 ⊕ *	4	.42	.22	.20
230164CB	03-09-2040 ⊕ **	4	.64	.59	.35
230181CB	03-09-2061 ⊕ **	6	.35	.33	.25
230201CB	03-09-2091 ⊕ **	9	.65	.35	.31
230228CB	03-09-2122 ⊕ **	12	.71	.38	.35
462459CB	03-09-2159 ♠ **	15	✳	.72	.62

*In-line **Grid

Receptacles


229817CB


230130CB


230199CB

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224135CB	03-09-1011 ⊕ *	1	$.29	$.09	$.08
224143CB	03-09-1022 ⊕ *	2	.30	.25	.18
224151CB	03-09-1032 ⊕ *	3	.44	.25	.16
224160CB	03-09-1042 ⊕ *	4	.46	.25	.22
229817CB	03-09-1049 ⊕ **	4	.46	.33	.25
230279CB	03-09-1057 ⊕ *	5	.59	.49	.32
224178CB	03-09-1064 ⊕ **	6	.49	.23	.20
224186CB	03-09-1094 ⊕ **	9	.69	.59	.39
224194CB	03-09-1126 ⊕ **	12	.75	.49	.39

*In-line **Grid

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
230113CB	03-09-1027 ⊕ *	2	$.35	$.17	$.15
230130CB	03-09-1081 ⊕ *	3	.48	.24	.22
230156CB	03-09-1041 ⊕ *	4	.40	.23	.17
230172CB	03-09-1040 ⊕ **	4	.48	.25	.23
230199CB	03-09-1061 ⊕ **	6	.49	.26	.25
230210CB	03-09-1091 ⊕ **	9	.62	.33	.30
230236CB	03-09-1125 ⊕ **	12	.62	.33	.30

*In-line **Grid

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/Molex093

.062" (1.57mm) Contacts

- Contact: brass or phosphor bronze
- Temp. range: -40˚C to +105˚C • Tin plating
- **Minimum order 10 pieces**

Crimp-Type Contacts


224565CB


224557CB

Part No.	Product No.	Gender	AWG	10	100	1000
224565CB	02-06-2103 ⊕	M	18-24	$.18	$.057	$.038
224581CB	02-06-2132 ⊕	M	24-30	.18	.057	.038
224557CB	02-06-1103 ⊕	F	18-24	.18	.057	.038
224573CB	02-06-1132 ⊕	F	24-30	.18	.057	.038

Solder-Tail Contacts


227379CB


227387CB

Part No.	Product No.	Gender	10	100	1000
227379CB	02-06-8103 ⊕	Male	$.18	$.11	$.066
227387CB	02-06-7103 ⊕	Female	.18	.11	.066

.093" (2.36mm) Contacts

- Contact: brass or phosphor bronze
- Tin plating
- Temperature range: -40˚C to +105˚C
- **Minimum order 10 pieces**

Crimp-Type Contacts


224207CB


224215CB

Part No.	Product No.	Gender	AWG	10	100	1000
224207CB	02-09-2118 ⊕	M	18-22	$.19	$.06	$.04
224223CB	02-09-2103 ⊕	M	14-20	.18	.059	.04
224215CB	02-09-1119 ⊕	F	18-22	.20	.07	.04
224231CB	02-09-1104 ⊕	F	14-20	.18	.059	.042

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/Molex093


224240CB


224258CB

Part No.	Product No.	Gender	10	100	1000
224240CB	02-09-2133 ⊕	Male	$.149	$.129	$.091
224258CB	02-09-1134 ⊕	Female	.20	.14	.09

Over 99% of Our Products Are In Stock

Place your order by 6PM EST for same business day shipping.

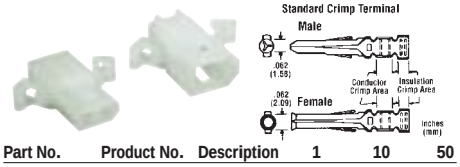


.062" Power Connector Kit

This assortment kit contains mating sets of housings and pins.

- Voltage: 250VAC • Current: 5A
- Temperature range: -40˚C to +105˚C

Includes: 3 ea. 2-pin plugs and 2-pin receptacles, 8 ea. male contacts and 8 ea. female contacts.



Part No.	Product No.	Description	1	10	50
142113CB	1625-2⊕	Kit	$5.69	$5.15	$4.59

.093" Power Connector Kits

These assortment kits contain mating sets of housings and pins.

- Voltage: 250VAC
- Temperature range: -40˚C to +105˚C

142181CB: • 3 ea. 2-pin plugs & receptacles, 8 ea. female & male contacts • Current: 12A

142201CB: • 2 ea. 4-pin plugs & receptacles, 10 ea. female & male contacts • Current: 9A

142228CB: • 2 ea. 6-pin plugs & receptacles, 14 ea. female & male contacts • Current: 9A

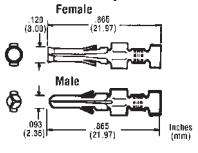
Includes: Male and female tin-plated standard brass .010" pins; 18-22 AWG crimp size wire

Receptacle Plug



142228CB

Standard Crimp Contacts



Part No.	Product No.	Description	1	10	50
142181CB	1545⊕	2-pin kit	$4.95	$4.49	$3.95
142201CB	1490⊕	4-pin kit ...	5.69	5.15	4.65
142228CB	1261⊕	6-pin kit ...	5.25	4.75	3.95

MLX Series .084" (2.13mm) Power Connectors



The MLX family is an industry compatible line of plug and cap power connections. The MLX family is interchangeable, intermateable and inter mountable with industry standard products.

- Wire-to-Wire and Wire-to-Board
- Up to 13.5A, 600V
- Tin Plating or Gold Plating
- Crimp Termination
- 2 to 15 Circuits
- 14 to 20 AWG
- Through-hole

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete MLX Series Offering at www.Jameco.com/Prod/MolexMLX084

www.Jameco.com

Our enhanced website offers more products. Find them quickly and order them easily.

.084" (2.13mm) Pin and Socket Connectors

JAMECO ValuePro

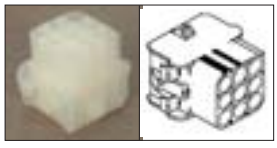
.084" Molex 42002 / 42021 / 42022 Series Value Equivalents

A Jameco EXCLUSIVE

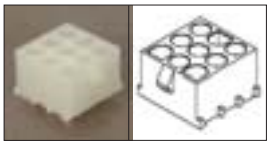
- Intermateable, interchangeable, and intermountable with industry-standard versions
- Positive locks
- Circuit ID grooves to reduce assembly errors
- Material: Nylon 94V-2, white
- Insulation resistance: 1000MΩ
- Dielectric withstanding voltage: 2900V (header); 5000V (wire to wire)
- Fully isolated contacts
- Anti-stress positioning tabs to reduce breakage
- Operating temp: -55˚C to +105˚C
- Contact resistance: 3.5mΩ max.
- Plating: tin • Voltage: 600V



379284CB (Fig. 1)



379356CB (Fig. 2)



379461CB (Fig. 3)

Plugs (Fig. 1)
42021 Series Value Equivalents

- Mates w/ Series 42022 receptacles & 42002 headers

Part No.	Cross Ref. No.	Grid Layout*	A/Circuit Max	1	10	100
379241CB	50-84-1020	1 x 2	13.5	$.20	$.142	$.120
379250CB	50-84-1030	1 x 3	13.5	.21	.158	.136
379268CB	50-84-1040	1 x 4	13.5	.25	.190	.160
379276CB	50-84-1060	2 x 3	11 ...	.27	.205	.176
379284CB	50-84-1090	3 x 3	11 ...	.28	.221	.192
379292CB	50-84-1120	3 x 4	11 ...	.34	.261	.224
379305CB	50-84-1120	3 x 5	11 ...	.37	.285	.256

* Grid layout is rows x columns

Receptacles (Fig. 2)
42022 Series Value Equivalents

- Mates with series 42021 plugs

Part No.	Cross Ref. No.	Grid Layout*	A/Circuit Max	1	10	100
379313CB	50-84-2020	1 x 2	13.5	$.20	$.142	$.120
379321CB	50-84-2030	1 x 3	13.5	.21	.158	.136
379330CB	50-84-2040	1 x 4	13.5	.25	.190	.160
379348CB	50-84-2060	2 x 3	11 ...	.27	.205	.176
379356CB	50-84-2090	3 x 3	11 ...	.28	.221	.192
379364CB	50-84-2120	3 x 4	11 ...	.34	.261	.224
379372CB	50-84-2150	3 x 5	11 ...	.37	.285	.256

* Grid layout is rows x columns

Vertical Male Headers (Fig. 3)
42002 Series Value Equivalents

- Mates w/ Series 42022 receptacles & 42002 headers

Part No.	Cross Ref. No.	Grid Layout*	A/Circuit Max	1	10	100
379381CB	10-84-4020	1 x 2	13.5	$.51	$.411	$.36
379401CB	10-84-4030	1 x 3	13.5	.58	.458	.40
379428CB	10-84-4040	1 x 4	13.5	.60	.45	.384
379444CB	10-84-4060	2 x 3	11	.70	.687	.592
379461CB	10-84-4090	3 x 3	11	.72	.561	.52
379487CB	10-84-4120	3 x 4	11	.83	.68	.64
379508CB	10-84-4150	3 x 5	11	1.05	.758	.696

* Grid layout is rows x columns

Vertical Female Headers (Fig. 3)
42002 Series Value Equivalents

- Mates w/ Series 42022 receptacles & 42002 headers

Part No.	Cross Ref. No.	Grid Layout*	A/Circuit Max	1	10	100
379399CB	10-84-4022	1 x 2	13.5	$.32	$.269	$.24
379410CB	10-84-4032	1 x 3	13.5	.25	.244	.208
379436CB	10-84-4042	1 x 4	13.5	.48	.395	.344
379452CB	10-84-4062	2 x 3	11 ...	.70	.553	.48
379479CB	10-84-4092	3 x 3	11 ...	.63	.593	.56
379495CB	10-84-4122	3 x 4	11 ...	.81	.687	.616
379516CB	10-84-4152	3 x 5	11 ...	.99	.727	.672

* Grid layout is rows x columns

Contacts

Type*:
1: Female
2: Male
A: Brass
B: Phosphor bronze
C: Brass standard insertion
D: Brass low insertion


Female


Male

- **Minimum order 10 pieces**

Part No.	Cross Ref. No.	AWG	Type*	10	100	500
401314CB	71T-D224-LP	12-14	1A	$.075	$.062	$.054
401331CB	71T-D524-LP	12-14	1B	.070	.067	.064
379524CB	71T-5224-LP	16-20	1A	.075	.062	.054
379532CB	71T-5524-LP	16-20	1B	.070	.067	.064
401306CB	71T-S224-LP	18-22	1A	.075	.062	.054
401322CB	71T-S524-LP	18-22	1B	.07	.067	.064
401357CB	70T-D214-LP	12-14	2A	.073	.066	.051
401373CB	70T-D2L4-LP †	12-14	2D	.073	.066	.051
379541CB	70T-5214-LP	16-20	2C	.073	.066	.051
398784CB	70T-52L4-LP †	16-20	2C	.073	.066	.051
401349CB	70T-S214-LP	18-22	2A	.073	.066	.051
401365CB	70T-S2L4-LP †	18-22	2D	.073	.066	.051

† For 6-15 circuit connectors

Extraction Tools for Crimp Pins

- Quickly and easily extract .093" locking pins from interlocking connectors
- Length: 5"
- See left and pg 138 for crimp pins

131887CB: Male tool for 42729CB
131879CB: Female tool for 42649CB


131887CB

Part No.	Product No.	1	10
131887CB	HT319C⊕	$10.95	$9.86
131879CB	HT319B⊕	11.29	9.03

Molex Connector Extraction Tools



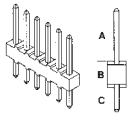
142156CB/ 142236CB For .062" Connectors
227467CB/ 227395CB For .093" Connectors
236128CB
234940CB
For .100" KK Series Connectors

Part No.	Product No.	AWG	1	10
142156CB	W-HT-2285⊕	18-30	$14.49	$13.49
227467CB	W-HT-2023⊕	18-30	11.99	10.99
142236CB	W-HT-2038⊕	14-30	14.49	13.49
227395CB	W-HT-2054⊕	14-30	11.99	10.99
236128CB	W-HT-1884⊕	22-30	9.99	8.99
234940CB	11-03-0022⊕	22-30	14.99	12.99

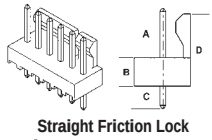
RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

KK® Series .100" (2.54mm) Male Headers

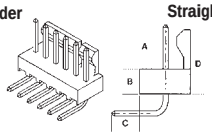
- Voltage: 250V • Current: 4.0A • Contact resistance: 20mΩ max. • Housing: nylon, UL94V-0
- Dielectric withstanding voltage: 1500V • Insulation resistance: 50,000MΩ min.
- Contact: brass, 0 – 6.4mm (0.25") square • Durability: tin – 25 cycles max.; gold – 100 cycles max.



Straight Header



Straight Friction Lock



Right Angle Friction Lock

Straight Headers (Tin)

- Dimensions: (A) .295"; (B) .130"; (C) .135"

✳Prepackaged: order in increments of 10 or 100

Part No.	Product No.	Positions	1	10	100
232178CB	22-03-2021 ⊕	2	✳	$.10	$.09
232186CB	22-03-2031 ⊕	3	✳	.16	.14
232194CB	22-03-2041 ⊕	4	✳	.21	.19
232207CB	22-03-2051 ⊕	5	.29	.26	.24
232215CB	22-03-2061 ⊕	6	.34	.31	.27
232223CB	22-03-2081 ⊕	8	.40	.37	.33
232231CB	22-03-2101 ⊕	10	.46	.42	.37
232240CB	22-03-2121 ⊕	12	.56	.51	.45

Straight Friction Lock Headers (Tin)

- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

Part No.	Product No.	Positions	1	10	100
232266CB	22-23-2021 ⊕	2	$.29	$.23	$.15
232274CB	22-23-2031 ⊕	3	.35	.30	.19
232282CB	22-23-2041 ⊕	4	.42	.36	.23
232291CB	22-23-2051 ⊕	5	.49	.42	.27
232303CB	22-23-2061 ⊕	6	.55	.48	.31
232311CB	22-23-2071 ⊕	7	.63	.55	.36
232320CB	22-23-2081 ⊕	8	.72	.63	.41
232338CB	22-23-2091 ⊕	9	.76	.66	.37
232346CB	22-23-2101 ⊕	10	.80	.70	.46
232354CB	22-23-2121 ⊕	12	.95	.83	.55

Right Angle Friction Lock Headers (Tin)

- Dimensions: (A) .260"; (B) .125"; (C) .141"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233437CB	22-05-3021 ⊕	2	$.42	$.36	$.22
233445CB	22-05-3031 ⊕	3	.56	.49	.30
233453CB	22-05-3041 ⊕	4	.71	.61	.39
233461CB	22-05-3051 ⊕	5	.77	.67	.43
233470CB	22-05-3061 ⊕	6	.85	.74	.48
233488CB	22-05-3071 ⊕	7	.99	.79	.56
233496CB	22-05-3081 ⊕	8	1.03	.83	.58
233509CB	22-05-3101 ⊕	10	1.08	.94	.61
233517CB	22-05-3121 ⊕	12	1.19	.99	.69

Straight Friction Lock Headers (Gold)

- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233584CB	22-11-2022 ⊕	2	$.54	$.46	$.29
233592CB	22-11-2032 ⊕	3	.85	.74	.47
233605CB	22-11-2042 ⊕	4	.87	.76	.49
233613CB	22-11-2052 ⊕	5	1.22	1.06	.69
233621CB	22-11-2062 ⊕	6	1.34	1.17	.76
233630CB	22-11-2072 ⊕	7	1.55	1.36	.89
233648CB	22-11-2082 ⊕	8	1.65	1.42	.93
233656CB	22-11-2102 ⊕	10	2.05	1.77	1.16
233664CB	22-11-2122 ⊕	12	2.39	2.12	1.39

Right Angle Friction Lock Headers (Gold)

- Dimensions: (A) .260"; (B) .125"; (C) .141"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233672CB	22-12-2024 ⊕	2	$.89	$.77	$.48
233681CB	22-12-2034 ⊕	3	1.15	.99	.63
233699CB	22-12-2044 ⊕	4	1.36	1.19	.76
233701CB	22-12-2054 ⊕	5	1.49	1.31	.84
233710CB	22-12-2064 ⊕	6	1.65	1.43	.92
233728CB	22-12-2084 ⊕	8	1.85	1.51	1.05

See our new & improved www.Jameco.com.

KK® Series .100" (2.54mm) Female Housing & Crimp Contacts

- Voltage: 250V
- Current: phosphor bronze – 4.0A max., brass – 2.5A max.
- Contact resistance: 20mΩ max.
- Dielectric withstanding volt.: 1500VAC
- Insulation resistance: 50,000MΩ

Housing Material:

- Contact insertion force: 1.5 lbs. max.
- Contact retention to housing: 8 lbs. min.
- Housing: nylon, UL94V-0
- Operating temperature: 0 to 75˚C


234801CB


234721CB

Housing with Locking Ramp & Polarizing Ribs

Part No.	Product No.	Positions	1	10	100
234798CB	22-01-3027 ⊕	2	$.29	$.17	$.10
234801CB	22-01-3037 ⊕	3	.29	.21	.13
234819CB	22-01-3047 ⊕	4	.31	.27	.17
234827CB	22-01-3057 ⊕	5	.36	.31	.20
234835CB	22-01-3067 ⊕	6	.42	.36	.23
234843CB	22-01-3077 ⊕	7	.47	.41	.26
234851CB	22-01-3087 ⊕	8	.54	.47	.30
234860CB	22-01-3097 ⊕	9	.58	.50	.32
234878CB	22-01-3107 ⊕	10	.65	.55	.35
234886CB	22-01-3127 ⊕	12	.76	.66	.42

Housing with Locking Ramp

Part No.	Product No.	Positions	1	10	100
234704CB	22-01-2027 ⊕	2	$.29	$.15	$.09
234712CB	22-01-2037 ⊕	3	.29	.20	.12
234721CB	22-01-2047 ⊕	4	.29	.24	.15
234739CB	22-01-2057 ⊕	5	.33	.28	.17
234747CB	22-01-2067 ⊕	6	.36	.32	.20
234755CB	22-01-2087 ⊕	8	.47	.41	.26
234763CB	22-01-2097 ⊕	9	.51	.44	.28
234771CB	22-01-2107 ⊕	10	.57	.49	.31
234780CB	22-01-2127 ⊕	12	.67	.58	.37

Crimp Contacts


234931CB

- Accommodates 22 to 30 AWG
- Material: brass or phosphor bronze
- Insulation range: 0.062" (1.58mm) diameter max.
- **Prepackaged: order in increments of 10, 100 or 1000**

234923CB: Brass with tin plating
234931CB: Brass with 15µ" select gold plating

Part No.	Product No.	10	100	1000
234923CB	08-50-0114 ⊕	$.065	$.048	$.029
234931CB	08-55-0102 ⊕	.22	.17	.11

To Find Additional KK .100" Products In This Series, Visit www.Jameco.com/Prod/MolexKK100

.100" (2.54mm) IDC Headers

- Housing: UL94V-0 rated, polyester, natural color

A Jameco EXCLUSIVE

Narrow Flat Headers


Fig. 1 (347266CB)


Fig. 2 (347371CB)


Fig. 3 (347442CB)


Fig. 4 (347531CB)

- Posts: copper alloy, tin plated
- Base dimensions: 0.092"W x 0.1"H

Straight Post – Tin Plated

✳ Minimum order 10 pieces

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
347240CB	644456-2 ⊕	1	2	✳	$.136	$.099
347258CB	644456-3 ⊕	1	3	.20	.168	.123
347266CB	644456-4 ⊕	1	4	.22	.209	.163
347274CB	644456-5 ⊕	1	5	.28	.266	.204
347282CB	644456-6 ⊕	1	6	.30	.246	.223
347291CB	644456-7 ⊕	1	7	.30	.269	.192
347303CB	644456-8 ⊕	1	8	.41	.328	.297
347311CB	644456-9 ⊕	1	9	.45	.368	.334
347320CB	1-644456-0 ⊕	1	10	.51	.409	.371

Straight Post w/ Retentive Leg – Tin Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
347338CB	644695-2 ⊕	2	2	✳	$.112	$.109
347346CB	644695-3 ⊕	2	3	✳	.12	.117
347354CB	644695-4 ⊕	2	4	✳	.183	.179
347362CB	644695-5 ⊕	2	5	.23	.22	.192
347371CB	644695-6 ⊕	2	6	.25	.248	.245
347389CB	644695-7 ⊕	2	7	.29	.288	.286
347397CB	644695-8 ⊕	2	8	.33	.328	.326
347400CB	644695-9 ⊕	2	9	.37	.368	.367
347418CB	1-644695-0 ⊕	2	10	.41	.409	.408

Right Angle Post – Tin Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
347426CB	644457-2 ⊕	3	2	✳	$.116	$.085
347434CB	644457-3 ⊕	3	3	✳	.151	.111
347442CB	644457-4 ⊕	3	4	.23	.229	.17
347451CB	644457-5 ⊕	3	5	.20	.189	.176
347469CB	644457-6 ⊕	3	6	.31	.30	.232
347477CB	644457-7 ⊕	3	7	.99	.98	.748
347485CB	644457-8 ⊕	3	8	.42	.40	.309
347493CB	644457-9 ⊕	3	9	.48	.475	.348
347506CB	1-644457-0 ⊕	3	10	.53	.528	.386

Right Angle Post w/ Retentive Leg – Tin Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
347514CB	644694-2 ⊕	4	2	✳	$.102	$.081
347522CB	644694-3 ⊕	4	3	✳	.125	.122
347531CB	644694-4 ⊕	4	4	✳	.172	.171
347549CB	644694-5 ⊕	4	5	.24	.238	.234
347557CB	644694-6 ⊕	4	6	.26	.259	.255
347565CB	644694-7 ⊕	4	7	.30	.299	.297
347573CB	644694-8 ⊕	4	8	.34	.339	.216
347581CB	644694-9 ⊕	4	9	.39	.388	.382
347590CB	1-644694-0 ⊕	4	10	.43	.428	.425

.100" (2.54mm) IDC Headers (Continued)

- Housing: UL94V-0 rated, polyester, natural color

Friction Lock Headers

- Posts: copper alloy, gold over nickel plated



348074CB (Fig. 1)



348251CB (Fig. 2)

Straight Post – Gold Plated

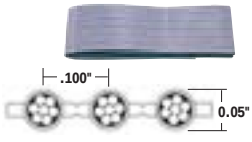
Part No.	Cross Ref.	Fig.	Pos.	1	10	100
348058CB	641215-2⊕	1	2	$.37	$.304	$.276
348066CB	641215-3⊕	1	3	.42	.387	.368
348074CB	641215-4⊕	1	4	.52	.474	.456
348082CB	641215-5⊕	1	5	.91	.74	.671
348091CB	641215-6⊕	1	6	.74	.672	.648
348103CB	641215-7⊕	1	7	.82	.743	.712
348111CB	641215-8⊕	1	8	.50	.495	.492
348120CB	641215-9⊕	1	9	1.34	1.088	.987
348138CB	1-641215-0⊕	1	10	1.05	.956	.92

Right Angle Post – Gold Plated

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
348234CB	641216-2⊕	2	2	$.56	$.559	$.416
348242CB	641216-3⊕	2	3	.78	.779	.573
348251CB	641216-4⊕	2	4	.95	.948	.694
348269CB	641216-5⊕	2	5	.82	.743	.712
348277CB	641216-6⊕	2	6	1.25	1.241	.908
348285CB	641216-7⊕	2	7	1.29	1.28	.947
348293CB	641216-8⊕	2	8	.65	.62	.58
348306CB	641216-9⊕	2	9	1.45	1.43	1.046
348314CB	1-641216-0⊕	2	10	1.15	1.043	.992

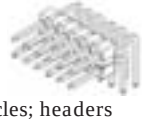
.100" (2.54mm) Flat Ribbon Cable

- 10-conductor 24 AWG stranded
- Insulation material: 7mm polyvinyl chloride (PVC) gray
- Rated temp.: 105°C
- Rated voltage: 300V
- Dielectric strength: 2kV in 1 min.
- Insulation resistance: 100MΩ
- Capacitance: 31pF/m
- Inductance: 1.45µH/m



Part No.	Cross Ref.	Length (Ft.)	1	10	25
363813CB	H24G-10-10⊕	10	$8.99	$8.49	$7.99
363821CB	H24G-10-25⊕	25	19.99	18.99	17.99
363856CB	H24G-10-100⊕	100	69.99	64.99	59.99
363864CB	H24G-10-250⊕	250 reel	199.99	174.99	149.99

.100" (2.54mm) C-GRID™ Breakaway Headers



C-Grid is a dual row, board-to-board system. The system includes: vertical and right angle headers in breakaway, shrouded and dual-body styles; vertical and right angle receptacles; headers and receptacles for SMT applications; press-fit headers and a 2-circuit shunt. C-Grid has the ability to mate with SL and KK products.

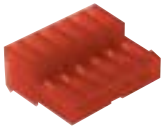
- 3.0 A, 250V
- -40 to +105°C
- Unshrouded

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete C-GRID™ Series Offering at www.Jameco.com/Prod/MolexCGrid

.100" (2.54mm) IDC Connectors

- Voltage rating: 250VAC
- Current rating: 4A max.
- Dielectric withstanding voltage: 750VAC/1 min.
- Low-level resistance: 5mΩ max. initial
- Insulation resistance: 5000MΩ min. initial



345640CB Closed-End Style w/o Polarizing Tab



345981CB Closed-End Style w/ Polarizing Tab



346431CB Feed-Thru Style w/o Polarizing Tab



346790CB Feed-Thru Style w/ Polarizing Tab

Closed-End Style

Without Polarizing Tabs

✳ Minimum order 10 pieces

Part No.	Cross Ref.	Pos.	AWG	Color	1	10	100
345631CB	640440-5⊕	5	22	Red	$.20	$.122	$.121
345640CB	640440-6⊕	6	22	Red	.21	.131	.13
345658CB	640440-7⊕	7	22	Red	.25	.152	.151
345666CB	640440-8⊕	8	22	Red	.28	.174	.166
345674CB	640440-9⊕	9	22	Red	.53	.371	.232
345682CB	1-640440-0⊕	10	22	Red	.35	.218	.184
345738CB	640441-6⊕	6	24	White	✳	.131	.13
345746CB	640441-7⊕	7	24	White	.25	.152	.142
345754CB	640441-8⊕	8	24	White	.20	.174	.158
345762CB	640441-9⊕	9	24	White	.72	.622	.545
345771CB	1-640441-0⊕	10	24	White	.26	.218	.217

With Polarizing Tabs

Part No.	Cross Ref.	Pos.	AWG	Color	1	10	100
345965CB	643813-2⊕	2	22	Red	✳	$.057	$.056
345973CB	643813-3⊕	3	22	Red	✳	.07	.069
345981CB	643813-4⊕	4	22	Red	✳	.123	.104
345990CB	643813-5⊕	5	22	Red	.20	.157	.142
346001CB	643813-6⊕	6	22	Red	.21	.174	.128
346010CB	643813-7⊕	7	22	Red	.25	.196	.178
346028CB	643813-8⊕	8	22	Red	.25	.19	.168
346036CB	643813-9⊕	9	22	Red	.72	.57	.54
346044CB	1-643813-0⊕	10	22	Red	.34	.253	.24
346087CB	643814-5⊕	5	24	White	.20	.157	.142
346095CB	643814-6⊕	6	24	White	.21	.168	.153
346108CB	643814-7⊕	7	24	White	.25	.196	.179
346116CB	643814-8⊕	8	24	White	.28	.223	.203
346132CB	1-643814-0⊕	10	24	White	.35	.28	.254

AMP T-Handle Tool



- For .100" (2.54mm) IDC connectors

Part No.	Product No.	Description	Price
365974CB	59803-1⊕	.100" hand tool	$20.89

Feed-Thru Style

Without Polarizing Tabs

✳ Minimum order 10 pieces

Part No.	Cross Ref.	Pos.	AWG	Color	1	10	100
346327CB	640620-2⊕	2	22	Red	✳	$.082	$.081
346335CB	640620-3⊕	3	22	Red	✳	.089	.088
346343CB	640620-4⊕	4	22	Red	✳	.096	.095
346351CB	640620-5⊕	5	22	Red	✳	.122	.104
346360CB	640620-6⊕	6	22	Red	✳	.131	.13
346378CB	640620-7⊕	7	22	Red	.20	.152	.144
346386CB	640620-8⊕	8	22	Red	.20	.174	.152
346394CB	640620-9⊕	9	22	Red	.57	.56	.55
346407CB	1-640620-0⊕	10	22	Red	.29	.218	.20
346423CB	640621-3⊕	3	24	White	✳	.087	.083
346431CB	640621-4⊕	4	24	White	✳	.096	.092
346440CB	640621-5⊕	5	24	White	✳	.102	.098
346458CB	640621-6⊕	6	24	White	✳	.131	.128
346466CB	640621-7⊕	7	24	White	.20	.152	.148
346474CB	640621-8⊕	8	24	White	.23	.174	.168
346482CB	640621-9⊕	9	24	White	1.09	1.05	.99
346491CB	1-640621-0⊕	10	24	White	.29	.218	.217

With Polarizing Tabs

Part No.	Cross Ref.	Pos.	AWG	Color	1	10	100
346685CB	644540-2⊕	2	22	Red	✳	$.104	$.095
346693CB	644540-3⊕	3	22	Red	✳	.116	.106
346706CB	644540-4⊕	4	22	Red	✳	.123	.112
346714CB	644540-5⊕	5	22	Red	.20	.157	.142
346722CB	644540-6⊕	6	22	Red	.21	.168	.153
346731CB	644540-7⊕	7	22	Red	.25	.243	.178
346749CB	644540-8⊕	8	22	Red	.28	.276	.203
346765CB	1-644540-0⊕	10	22	Red	.35	.347	.255
346773CB	644563-2⊕	2	24	White	✳	.101	.092
346781CB	644563-3⊕	3	24	White	✳	.11	.10
346790CB	644563-4⊕	4	24	White	✳	.123	.112
346811CB	644563-6⊕	6	24	White	.21	.168	.153
346829CB	644563-7⊕	7	24	White	.25	.196	.178
346837CB	644563-8⊕	8	24	White	.28	.223	.203
346853CB	1-644563-0⊕	10	24	White	.35	.28	.255

.100" (2.54mm) Strain Relief Covers



326051CB (Fig. 1)



326123CB (Fig. 2)

Closed-End Style

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
326019CB	643075-2⊕	1	2	$.24	$.142	$.139
326027CB	643075-3⊕	1	3	.34	.237	.152
326035CB	643075-4⊕	1	4	.25	.153	.144
326043CB	643075-5⊕	1	5	.25	.198	.159
326051CB	643075-6⊕	1	6	.20	.15	.104
326060CB	643075-7⊕	1	7	.59	.521	.472
326078CB	643075-8⊕	1	8	.39	.269	.176
326086CB	643075-9⊕	1	9	.59	.521	.448
326094CB	1-643075-0⊕	1	10	.36	.261	.16

Feed-Thru Style

✳ Minimum order 10 pieces

Part No.	Cross Ref.	Fig.	Pos.	1	10	100
326107CB	643077-2⊕	2	2	$.35	$.285	$.26
326115CB	643077-3⊕	2	3	✳	.097	.088
326123CB	643077-4⊕	2	4	.31	.274	.248
326131CB	643077-5⊕	2	5	.39	.351	.319
326140CB	643077-6⊕	2	6	.43	.373	.338
326158CB	643077-7⊕	2	7	.45	.398	.36
326166CB	643077-8⊕	2	8	.50	.442	.40
326174CB	643077-9⊕	2	9	.57	.514	.496
326182CB	1-643077-0⊕	2	10	.57	.514	.496

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

JAMECO ValuePro — A Jameco EXCLUSIVE

.118" (3.0mm) Single and Dual Row Micro-Fit Connectors

Molex Micro-Fit 3.0™ Series Value Equivalents


338634CB (Fig. 1)


338271CB (Fig. 2)


338280CB (Fig. 3)


337691CB (Fig. 4)


337623CB (Fig. 5)


337631CB (Fig. 6)


338491CB (Fig. 7)


338044CB (Fig. 8)


338079CB (Fig. 9)

Single Row Crimp Housing

- Positive latching to mating headers or plugs
- Fully isolated contacts • Wire to wire
- Integral pull tabs for ease in unmating • Black
- Receptacle mates with 43640 and 43650 series

Receptacles (Fig. 1)

Part No.	Cross Ref. No.	Positions	1	10	100
338351CB	43645-0200	2	$.20	$.166	$.152
338360CB	43645-0300	3	.20	.174	.168
338378CB	43645-0400	4	.21	.19	.184
338634CB	43645-0500	5	.23	.213	.20
338386CB	43645-0600	6	.26	.229	.216

Plugs – Panel Mount (Fig. 2)

Part No.	Cross Ref. No.	Positions	1	10	100
338255CB	43640-0200	2	$.20	$.166	$.152
338271CB	43640-0300	3	.23	.205	.20
338298CB	43640-0400	4	.32	.307	.276
338319CB	43640-0500	5	.35	.33	.303
338335CB	43640-0600	6	.38	.368	.323

Plugs – Free Hanging (Fig. 3)

Part No.	Cross Ref. No.	Positions	1	10	100
338263CB	43640-0201	2	$.20	$.166	$.152
338280CB	43640-0301	3	.20	.174	.168
338301CB	43640-0401	4	.21	.19	.184
338327CB	43640-0501	5	.50	.449	.303
338343CB	43640-0601	6	.34	.332	.248

Double Row Crimp Housing

- Fully isolated contacts • Wire to wire
- Housing: UL94V-0 • Fully polarized
- Voltage/current rating: 250V @ 5.0A (max.)
- Mates with 43020 and 43045 series • Black
- Contact resistance: 10mΩ (max.)
- Contacts: tin or 30µ" gold plating over phosphor bronze

Receptacles (Fig. 4)

Part No.	Cross Ref. No.	Positions	1	10	100
337666CB	43025-0200	2	$.20	$.174	$.144
337674CB	43025-0400	4	.23	.213	.192
337682CB	43025-0600	6	.28	.253	.232
337691CB	43025-0800	8	.33	.292	.264
337703CB	43025-1000	10	.36	.332	.272
337711CB	43025-1200	12	.45	.403	.368
337842CB	43025-1600	16	.52	.443	.384
337851CB	43025-1800	18	.71	.648	.544
337869CB	43025-2000	20	.95	.856	.705
337877CB	43025-2400	24	.82	.784	.68

Plugs – Panel Mount (Fig. 5)

Part No.	Cross Ref. No.	Positions	1	10	100
337586CB	43020-0200	2	$.21	$.182	$.152
337594CB	43020-0400	4	.23	.213	.184
337607CB	43020-0600	6	.29	.261	.24
337623CB	43020-0800	8	.35	.261	.224
337640CB	43020-1000	10	.40	.356	.328
337826CB	43020-1200	12	.45	.403	.368
337834CB	43025-1400	14	.49	.442	.36

Double Row Crimp Housing (Continued)

Plugs – Free Hanging (Fig. 6)

Part No.	Cross Ref. No.	Positions	1	10	100
337800CB	43020-0201	2	$.21	$.182	$.168
337818CB	43020-0401	4	.29	.253	.194
337615CB	43020-0601	6	.31	.237	.20
337631CB	43020-0801	8	.40	.363	.304
337658CB	43020-1001	10	.46	.419	.336

Single Row PCB Headers

- Snap-in peg locks header to PCB for retention
- Surface mount compatible • Black
- Fully polarized to mating receptacle
- Mates with 43645 series • Wire to board

Right Angle w/ Snap-In Plastic Peg – Tin (Fig. 7)

Part No.	Cross Ref. No.	Positions	1	10	100
338394CB	43650-0200	2	$.39	$.332	$.296
338431CB	43650-0300	3	.41	.379	.344
338466CB	43650-0400	4	.43	.395	.36
338491CB	43650-0500	5	1.15	1.08	.838
338520CB	43650-0600	6	.99	.80	.729

Right Angle w/ Snap-In Plastic Peg – 15µ" gold (Fig. 7)

Part No.	Cross Ref. No.	Positions	1	10	100
338407CB	43650-0201	2	$.61	$.561	$.512
338642CB	43650-0301	3	1.09	1.03	.791
338651CB	43650-0401	4	1.25	1.17	.911

Double Row PCB Headers

- Surface mount compatible with PCB polarizing pegs
- Fully polarized to mating receptacle • Black

Right Angle w/ Snap-In Plastic Peg – Tin (Fig. 8)

Part No.	Cross Ref. No.	Positions	1	10	100
337885CB	43045-0200	2	$.35	$.316	$.264
337965CB	43045-0400	4	.51	.443	.40
338044CB	43045-0600	6	.55	.514	.456
338554CB	43045-0800	8	.70	.616	.56
338562CB	43045-1000	10	.78	.719	.656
338212CB	43045-1200	12	.89	.84	.77
338571CB	43045-1400	14	1.09	.99	.912
338597CB	43045-1600	16	1.25	1.15	1.04
338600CB	43045-2000	20	1.39	1.30	1.20

Right Angle w/ Snap-In Plastic Peg – Gold (Fig. 8)

Part No.	Cross Ref. No.	Positions	1	10	100
337893CB	43045-0202	2	$.51	$.458	$.416
337973CB	43045-0402	4	.67	.632	.568
338052CB	43045-0602	6	.99	.88	.794
338116CB	43045-0802	8	1.05	1.00	.899
338167CB	43045-1002	10	1.25	1.14	1.04
338221CB	43045-1202	12	1.39	1.32	1.19
338589CB	43045-1402	14	1.59	1.46	1.36
338618CB	43045-2202	22	2.39	2.17	2.08
338626CB	43045-2402	24	6.09	5.84	4.47

Double Row PCB Headers (Continued)

Vertical Thru Hole – Tin (Fig. 9)

Part No.	Cross Ref. No.	Positions	1	10	100
337922CB	43045-0212	2	$.59	$.561	$.408
338001CB	43045-0412	4	.39	.332	.304
338079CB	43045-0612	6	.47	.419	.376
338132CB	43045-0812	8	.70	.632	.576
338175CB	43045-1012	10	.65	.593	.56
338239CB	43045-1212	12	.82	.735	.664

Vertical Thru Hole – Gold (Fig. 9)

Part No.	Cross Ref. No.	Positions	1	10	100
337931CB	43045-0214	2	$.49	$.451	$.408
338010CB	43045-0414	4	.59	.514	.48
338087CB	43045-0614	6	.79	.72	.656
338141CB	43045-0814	8	.99	.888	.81
338183CB	43045-1014	10	2.25	2.05	1.75
338247CB	43045-1214	12	1.39	1.30	1.22

Female & Male Contacts

Type*:
1: female
2: male
A: tin plating over phosphor bronze
B: 30µ" select gold over nickel over phosphor bronze


Female (1B)


Male (2A)

✳ Prepackaged: order in increments of 10 or 100

Part No.	Cross Ref. No.	AWG	Type*	1	10	100
337720CB	43030-0007	20-24	1A .... ✳	$.094	$.072	
337738CB	43030-0009	26-30	1B ..	.20	.182	.16
337746CB	43030-0010	20-24	1A .... ✳	.096	.081	
337754CB	43030-0012	26-30	1B ..	.20	.174	.16
337762CB	43031-0007	20-24	2A .... ✳	.087	.064	
337771CB	43031-0009	26-30	2B .... ✳	.135	.104	
337789CB	43031-0010	20-24	2A .... ✳	.085	.072	
337797CB	43031-0012	26-30	2B .... ✳	.134	.12	

Extraction Tool



- Length: 3.0"

Part No.	Cross Ref. No.	1	5
338669CB	11-03-0043 ⊕	$14.99	$11.49

Crimp Tool



- Length: 8.25"

Part No.	Cross Ref. No.	1	5	10
338677CB	HD-225D ⊕	$24.99	$22.99	$19.99

Committed to You

We're committed to providing you with the best service in the industry.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

.125" (3.18mm) HCS-125 Pin & Socket Housing

3.18 mm (.125") pitch, high-current pin and socket wire-to-wire power connector. Capable of handling up to 20 amps.



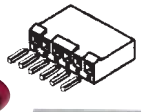
- Single row
- 1 to 12 positions

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Molex HCS-125 Series Offering at www.Jameco.com/Prod/Molex125

.156" (3.9mm) Center Housing Connectors

- Common to many power supplies carried by Jameco. Some power supplies (pgs 190-195) may require multiple connectors
- Housing material: nylon 66, UL94V-2
- Use with crimp pins, 78318CB, below





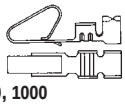
104731CB

✳ **Prepackaged: order in increments of 10, 100, 1000**

Part No.	Cross Ref. No.	Pins	1	10	100	1000
176743CB	LCH2⊕	2	✳	$.07	$.045	$.04
104432CB	LCH3⊕	3	✳	.19	.12	.11
104715CB	LCH4⊕	4	✳	.22	.15	.12
104723CB	LCH5⊕	5	.24	.22	.16	.12
104731CB	LCH6⊕	6	.33	.30	.24	.15
104766CB	LCH10⊕	10	.39	.32	.28	.23

.156" (3.9mm) Center Crimp Pin

- Pin wire gauge: 18-24 AWG
- Material: brass/tin plated
- Use with .156 housings (above)



Prepackaged: order in increments of 10, 100, 1000

Part No.	Mfr. Cross Ref. No.	10	100	1000
78318CB	JS-5001-T ⊕	$.11	$.08	$.07

.156" Female Crimp Pins

- Pin wire gauge: 18-22 AWG
- Material: tin-plated brass
- Use 99442CB crimping tool, pg 280



Prepackaged: order in increments of 10, 100 or 1000

Part No.	Mfr. Cross Ref. No.	10	100	1000
154093CB	LRPIN ⊕	$.061	$.05	$.035

T-Handle Tool

- For .156" IDC connectors



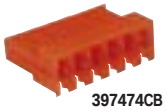
Part No.	Product No.	Description	Price
404540CB	59804-1⊕	0.156" hand tool	$20.89

We're Listening to What You Need

Let us know how we can better serve your electronics needs. Please send requests to NewProducts@Jameco.com.

.156" (3.96mm) IDC Connectors

AMP MTA-156 Series Value Equivalents



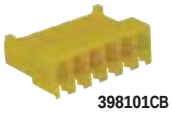
397474CB (Fig. 1)



397749CB (Fig. 2)



397837CB (Fig. 3)



398101CB (Fig. 4)

Closed-End Style

With Locking Ramp and w/o Polarizing Tabs (Fig. 1)

- Orange
- AWG: 18

✳ **Minimum order 10 pieces**

Part No.	Cross Ref. No.	Positions	1	10	100
397431CB	640426-2	2	✳	$.103	$.08
397440CB	640426-3	3	.20	.167	.151
397458CB	640426-4	4	.21	.158	.142
397466CB	640426-5	5	.26	.205	.144
397474CB	640426-6	6	.20	.139	.134

- Yellow
- AWG: 20

Part No.	Cross Ref. No.	Positions	1	10	100
397520CB	640427-2	2	✳	$.117	$.105
397538CB	640427-3	3	✳	.139	.12
397546CB	640427-4	4	.20	.166	.128
397554CB	640427-5	5	.63	.491	.44
397562CB	640427-6	6	.21	.154	.138

With Locking Ramp and Polarizing Tabs (Fig. 2)

- Orange
- AWG: 18

Part No.	Cross Ref. No.	Positions	1	10	100
397618CB	643817-2	2	✳	$.126	$.12
397626CB	643817-3	3	✳	.138	.133
397634CB	643817-4	4	✳	.126	.12
397642CB	643817-5	5	.37	.294	.277
397651CB	643817-6	6	.20	.15	.144

- Yellow
- AWG: 20

Part No.	Cross Ref. No.	Positions	1	10	100
397706CB	643818-2	2	✳	$.117	$.105
397714CB	643818-3	3	.20	.18	.168
397722CB	643818-4	4	.20	.181	.16
397731CB	643818-5	5	.45	.367	.333
397749CB	643818-6	6	.20	.139	.134

Strain Relief Covers for Closed-End Style

Part No.	Cross Ref. No.	Positions	1	10	100
398696CB	643067-2	2	$.20	$.16	$.14
398709CB	643067-3	3	.31	.235	.161
398717CB	643067-4	4	.33	.256	.17
398725CB	643067-5	5	.67	.616	.508
398733CB	643067-6	6	.34	.261	.192

Feed-Thru Style

With Locking Ramp and w/o Polarizing Tabs (Fig. 3)

- Orange
- AWG: 18

✳ **Minimum order 10 pieces**

Part No.	Cross Ref. No.	Positions	1	10	100
397790CB	640599-2	2	✳	$.117	$.105
397802CB	640599-3	3	✳	.10	.09
397811CB	640599-4	4	.21	.158	.136
397829CB	640599-5	5	.41	.308	.232
397837CB	640599-6	6	.20	.188	.187

- Yellow
- AWG: 20

Part No.	Cross Ref. No.	Positions	1	10	100
397888CB	640600-2	2	$.40	$.39	$.38
397896CB	640600-3	3	✳	.149	.138
397909CB	640600-4	4	✳	.16	.155
397917CB	640600-5	5	.29	.269	.256
397925CB	640600-6	6	.21	.199	.196

With Locking Ramp and Polarizing Tabs (Fig. 4)

- Orange
- AWG: 18

Part No.	Cross Ref. No.	Positions	1	10	100
397976CB	644465-2	2	✳	$.087	$.078
397984CB	644465-3	3	✳	.10	.09
397992CB	644465-4	4	✳	.158	.152
398004CB	644465-5	5	.29	.216	.194
398012CB	644465-6	6	.20	.139	.132

- Yellow
- AWG: 20

Part No.	Cross Ref. No.	Positions	1	10	100
398063CB	644466-2	2	✳	$.087	$.078
398071CB	644466-3	3	✳	.101	.09
398080CB	644466-4	4	✳	.112	.101
398098CB	644466-5	5	.29	.216	.194
398101CB	644466-6	6	.20	.139	.134

Strain Relief Covers for Feed-Thru Style

Part No.	Cross Ref. No.	Positions	1	10	100
398602CB	643071-2	2	$.20	$.164	$.148
398611CB	643071-3	3	.27	.245	.223
398629CB	643071-4	4	.37	.327	.296
398637CB	643071-5	5	.49	.45	.432
398645CB	643071-6	6	.49	.396	.36

.156" Center Housing Connectors & Crimp Contact

- Mating connectors for Mean Well LPS and LPP series power supplies (pgs 194-195)
- Current rating: 10A AC/DC
- Voltage rating: 250V AC/DC



215950CB



227416CB

227416CB:

- Material: brass
- Finish: tin-plated
- 18-22 AWG

Part No.	Description	1	10	100	1000
215950CB	5 pos. housing⊕	$.35	$.32	$.28	$.26
215976CB	8 pos. housing⊕	.39	.35	.32	.28
215968CB	12 pos. housing⊕	.49	.44	.39	.35
227416CB	Crimp contact⊕	.32	.29	.26	.22

.156" (3.9mm) Center Straight-Friction Lock Headers

- Voltage rating: 250VAC/VDC max.
- Current rating: 7 amps AC/DC
- Contact resistance: 20mΩ
- Temperature range: -25°C to +85°C
- Header material: pin - brass/tin-plated
- Base: nylon 66, UL94V-2



104811CB

✳ **Prepackaged: order in increments of 10, 100, 1000**

Part No.	Cross Ref. No.	Pins	1	10	100	1000
104791CB	LMH4⊕	4	✳	$.11	$.09	$.07
104803CB	LMH5⊕	5	✳	.13	.11	.09
104811CB	LMH6⊕	6	✳	.15	.12	.10
104846CB	LMH10⊕	10	.22	.20	.18	.16

Other Manufacturers

235491CB	8673-12-5	12	$.35	$.32	$.25	$.23

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Interconnects

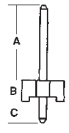
AMP .156" (3.96mm) Male Headers

- Voltage and current rating: 600VAC @ 7.0A
- Contact material/plating: copper alloy/tin
- UL94V-0 flammability rating
- .045" square posts
- Insulator material: polyester
- Solder tail material/plating: copper alloy/tin

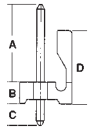

231491CB


231571CB

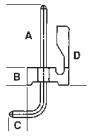

232418CB



Straight Header



Straight Friction Lock



Right Angle Friction Lock

Straight Friction Lock Headers

- Dimensions: (A) .450"; (B) .125"; (C) .125"; (D) .425"

✳**Prepackaged: order in increments of 10 or 100**

Part No.	Product No.	Positions	1	10	100
231546CB	640445-2⊕	2	✳	$.07	$.06
231554CB	640445-3⊕	3	✳	.075	.065
231562CB	640445-4⊕	4	✳	.10	.08
231571CB	640445-5⊕	5	✳	.14	.10
231589CB	640445-6⊕	6	✳	.17	.13
231597CB	640445-7⊕	7	✳	.18	.15
231600CB	640445-8⊕	8	✳	.23	.17
231626CB	1-640445-0⊕	10	.31	.24	.20

Straight Headers

- Dimensions: (A) .450"; (B) .125"; (C) .125"

Part No.	Product No.	Positions	1	10	100
231458CB	640383-2⊕	2	$.23	$.20	$.17
231466CB	640383-3⊕	3	.26	.23	.20
231474CB	640383-4⊕	4	.29	.26	.22
231482CB	640383-5⊕	5	.37	.33	.27
231491CB	640383-6⊕	6	.40	.36	.32
231503CB	640383-7⊕	7	.47	.42	.34
231511CB	640383-8⊕	8	.55	.46	.39
231520CB	640383-9⊕	9	.60	.53	.45
231538CB	1-640383-0⊕	10	.69	.63	.56

Right Angle Friction Lock Headers

- Dimensions: (A) .450"; (B) .125"; (C) .125"; (D) .425"

Part No.	Product No.	Positions	1	10	100
232362CB	640389-2⊕	2	$.29	$.26	$.23
232371CB	640389-3⊕	3	.44	.39	.34
232389CB	640389-4⊕	4	.59	.52	.46
232397CB	640389-5⊕	5	.74	.65	.57
232400CB	640389-6⊕	6	.80	.71	.62
232418CB	640389-7⊕	7	.93	.83	.73
232426CB	640389-8⊕	8	1.06	.94	.83
232434CB	640389-9⊕	9	1.19	1.06	.92
232442CB	1-640389-0⊕	10	1.33	1.18	.98

AMP .156" (3.96mm) Female Housing

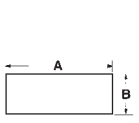
- Voltage and current rating: 250VAC @ 6.5A maximum
- Material: nylon, unreinforced 94V-0
- Insulation resistance: 1,000MΩ minimum
- Dielectric withstanding voltage: 2kVAC
- Hole diameter: .054" (1.37mm)


236259CB

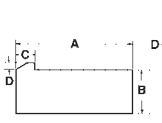

236161CB


236347CB

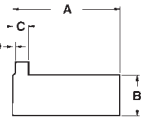
Side View



Without Locking Ramp



With Locking Ramp



With Locking Ramp & Polarizing Tabs

With Locking Ramp

- Dimensions: (A) .660"; (B) .250"; (C) .100"; (D) .0365"

✳**Prepackaged: order in increments of 10 or 100**

Part No.	Product No.	Positions	1	10	100
236144CB	640250-2⊕	2	✳	$.152	$.134
236152CB	640250-3⊕	3	✳	.086	.076
236161CB	640250-4⊕	4	✳	.162	.15
236179CB	640250-5⊕	5	.20	.138	.105
236187CB	640250-6⊕	6	.21	.15	.112
236195CB	640250-7⊕	7	.24	.15	.118
236208CB	640250-8⊕	8	.22	.155	.149
236216CB	640250-9⊕	9	.45	.419	.337
236224CB	1-640250-0⊕	10	.51	.466	.349

Without Locking Ramp

- Dimensions: (A) .660"; (B) .250"

✳**Prepackaged: order in increments of 10 or 100**

Part No.	Product No.	Positions	1	10	100
236232CB	640251-2⊕	2	✳	$.096	$.095
236241CB	640251-3⊕	3	.20	.14	.08
236259CB	640251-4⊕	4	.29	.186	.107
236267CB	640251-5⊕	5	✳	.114	.106
236275CB	640251-6⊕	6	.25	.23	.19
236283CB	640251-7⊕	7	.42	.326	.213
236291CB	640251-8⊕	8	.45	.373	.243
236304CB	640251-9⊕	9	.46	.419	.337
236312CB	1-640251-0⊕	10	.27	.25	.243

With Locking Ramp and Polarizing Tabs

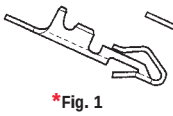
- Dimensions: (A) .660"; (B) .250"; (C) .100"; (D) .019" ±.003"

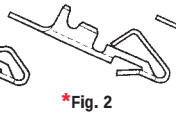
✳**Prepackaged: order in increments of 10 or 100**

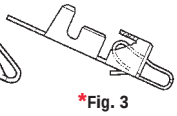
Part No.	Product No.	Positions	1	10	100
236321CB	770849-2⊕	2	✳	$.114	$.105
236339CB	770849-3⊕	3	.22	.14	.12
236347CB	770849-4⊕	4	.20	.173	.15
236355CB	770849-5⊕	5	✳	.171	.154
236363CB	770849-6⊕	6	.30	.28	.182
236371CB	770849-7⊕	7	.36	.326	.213
236380CB	770849-8⊕	8	.39	.365	.30
236398CB	770849-9⊕	9	.46	.39	.19
236401CB	1-770849-0⊕	10	.31	.307	.291

AMP .156" Crimp Contacts

- Voltage rating: 250VAC
- Current rating: 10A max.
- Low level resistance: 30mΩ max.
- Dielectric withstanding voltage: 2000VAC/1 min.
- Insulation resistance: 1000MΩ minimum
- Compatible with .045" square or round posts
- Material and finish:
  - ***A:** brass, 0.012" bright tin plated
  - ***B:** brass, 0.012" pre-tin plated
  - ***C:** brass, 0.000030" gold over nickel plated
  - ***D:** phosphor bronze, 0.012" bright tin plated
  - ***E:** phosphor bronze, 0.00003" gold over nickel plated
- For use with .156" AMP housings (bottom left)
- **Prepackaged: order in increments of 10, 100 or 500**


*Fig. 1 (High-Force)


*Fig. 2 (Low-Force)


*Fig. 3 (Hooded – Dual Wipe)

Part No.	Product No.	Desc.*	AWG	10	100	500
248866CB	640706-1⊕	1A	18-24	$.171	$.155	$.145
248874CB	640706-2⊕	1B	18-24	.152	.14	.13
248882CB	640707-1⊕	2A	18-24	.20	.175	.119
248891CB	770258-1⊕	2C	18-24	.39	.35	.32
248903CB	770522-1⊕	3D	18-24	.19	.138	.123
248911CB	770258-2⊕	3E	18-24	.30	.27	.23

AMP MTA-100/MTA-156 Connectors




MTA-100

- IDC Connectors, closed end and feed thru
- Friction lock headers, straight and right angle
- Polarized headers, straight and right angle
- Flat headers, straight and right angle
- Strain relief covers

MTA-156

- Strain relief covers
- Keying plugs
- Closed end IDC connectors

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP MTA Connector Series Offering at www.Jameco.com/Prod/AMPMTA



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We have just added nearly 15,000 new items to our website. Log on today!

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

KK® Series Connectors



The proven KK system of "building block" connectors can be used to create thousands of different configurations, thereby allowing each user to build a system that is precisely suited to any application on 2.50mm (.09"), 2.54(.100"), 3.96 (.156") and 5.08mm (.200") centers.

Features include a friction lock to secure connectors to wafer, polarizing wall or location pegs to assure correct assembly. Various methods of securely holding the connectors to a PC board are available. Headers are available in solid or breakaway, and housing termination can be crimp or IDT.

The Molex KK interconnection system can provide all the options necessary to complement PC board interconnection design requirements. For this reason, KK has become known as a versatile interconnecting system developed to meet the challenge of modularization.

Crimp Terminal Housings

- Polarization via insertable keys and pegs, molded voids or pegs, polarizing ribs or polarizing wall headers
- Locking ramp for improved mated retention with locking headers
- Accepts KK gas tight crimp terminals
- Mates with headers or pins in the board
- Available with Tin, Gold or Select Gold plating



PCB Recptacle



Edge Connector

Solder Tail Connectors

- Versions to accept mating pins vertically, horizontally or through the printed circuit board
- Mates with headers or pins in the board
- Strain relieving board hooks
- Polarization via insertable keys or pegs
- Locking ramps for improved retention when mated
- Stackable end-to-end
- Pre-assembled with KK gas tight terminals



IDT



Termianl

Headers

- Polarization via voided positions and polarizing walls, except 2.50mm (.098")
- Locking wall option for improved retention with mating connector
- Industry compatible.
- Breakaway and solid styles available.



PCB Header



Crimp Housing

Male Pins

- 0.64mm (.025") square or 1.14mm (.045") square or round
- Press fit and solder to board
- Mates with crimp or solder connector
- Variety of standard platings and lengths

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete KK Series Connector Offering at www.Jameco.com/Prod/MolexKK

.165" (4.2mm) Mini-Fit™ Jr. Equivalent Contacts

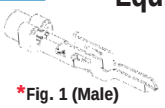


*Fig. 1 (Male)



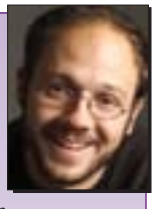
*Fig. 2 (Female)

- Type*:
  A: Tin over nickel over brass
  B: 15µ" gold over nickel over brass
  C: 30µ" gold over nickel over brass
  D: Tin over nickel over phosphor bronze
  E: 15µ" gold over nickel over phosphor bronze
  F: 30µ" gold over nickel over phosphor bronze

✳Minimum order 10 pieces

Part No.	Cross Ref. No.	AWG	Type*	1	10	100
365747CB	39-00-0054	18-24	1C	$.48	$.356	$.258
401859CB	39-00-0076	18-24	1B	✳	.23	.228
365798CB	39-00-0088	22-28	1C	.30	.296	.295
365704CB	39-00-0096	16	1C	.30	.296	.293
401841CB	39-00-0098	22-28	1B	.31	.308	.304
401867CB	39-00-0099	16	1B	✳	.15	.136
401824CB	39-00-0121	18-24	1A	✳	.062	.044
401816CB	39-00-0123	22-28	1A	✳	.075	.056
401832CB	39-00-0125	16	1A	✳	.076	.075
401752CB	39-00-0126	22-28	2D	✳	.056	.041
365886CB	39-00-0164	18-24	2C	.31	.30	.288
365915CB	39-00-0166	22-28	2C	.31	.30	.288
365835CB	39-00-0168	16	2C	.36	.308	.292
401736CB	39-00-0170	18-24	2B	.32	.315	.304
401728CB	39-00-0172	22-28	2B	.31	.30	.288
401744CB	39-00-0174	16	2B	.35	.32	.304
365851CB	39-00-0182	18-24	2F	.38	.371	.36
365907CB	39-00-0184	22-28	2F	.38	.371	.36
365827CB	39-00-0186	16	2F	.38	.371	.36
401795CB	39-00-0195	18-24	2E	.32	.315	.304
401787CB	39-00-0197	22-28	2E	.38	.365	.36
401808CB	39-00-0199	16	2E	.35	.32	.304
401701CB	39-00-0208	18-24	2A	✳	.063	.048
401699CB	39-00-0210	22-28	2A	✳	.056	.041
401710CB	39-00-0212	16	2A	✳	.126	.118
401761CB	39-00-0214	18-24	2D	✳	.076	.055
401779CB	39-00-0218	16	2D	✳	.119	.104

Making Great Connectors Even Better!



Do you know how to make these premium-quality connectors even better? Too often, prototypers use pliers or an incorrect crimper to fasten wire to pin. When the plier tips are too wide, pin shapes become distorted. Even a slight distortion can prevent the pin from seating in the connector properly, which leads to poor connections. An improper crimper can either under-crimp, leading to future wire separation; or over-crimp, leading to fatigued pins that eventually break apart.

Be sure you use the right crimper for the job. For instance, be sure to use P/N 99442CB on page 280 for the crimp pins on this page. Then you can be assured the quality of your work will be as great as the quality of the connectors.

Practical Practices
Money Saving Tips for the Engineer

.165" (4.2mm) Mini-Fit Jr. Contacts

- Voltage: 600V • Current: 9A (†12A current rating) • Dielectric withstanding voltage: 1500V
- Contact resistance: 10mΩ max. • Insulation resistance: 1000MΩ min.
- Material: *A: Brass (pre-plated tin over copper)
  *B: Brass or copper (post-plated tin over nickel)
  *C: Brass (post-plated tin over nickel)
  *D: Phosphor bronze (pre-plated gold over nickel)



*Fig. 1 (Male)

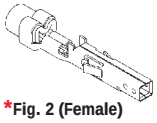


*Fig. 2 (Female)

Male Contacts

✳Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Desc.*	AWG	1	10	100
304661CB	44478-3112 †	1B	16	$.20	$.171	$.152
304688CB	39-00-0224	1D	16	.85	.704	.508
304709CB	39-00-0096	1C	16	.62	.517	.376
304725CB	39-00-0041	1A	18-24	✳	.056	.047
304741CB	39-00-0220	1D	18-24	.76	.704	.389
304792CB	30490-2012	1D	18-24	.25	.244	.209
304805CB	39-00-0054	1C	18-24	.43	.404	.306
304821CB	30490-1012	1D	18-24	.83	.686	.494
304768CB	44478-1112 †	1B	22-28	.28	.261	.171
304864CB	39-00-0049	1A	22-28	.20	.071	.07
304881CB	39-00-0222	1D	22-28	.76	.649	.466
304901CB	39-00-0088	1C	22-28	.43	.40	.361

- Sold in 4000 piece reel

Part No.	Product No.	Desc.*	AWG	Price
307985CB	39-00-0040	1A	18-24	$108.00

Female Contacts

Part No.	Product No.	Desc.*	AWG	1	10	100
304670CB	44476-3112 †	2C	16	$.32	$.261	$.155
304696CB	39-00-0186	2D	16	.85	.70	.51
304717CB	39-00-0168	2C	16	.58	.479	.346
304733CB	39-00-0039	2A	18-24	✳	.064	.059
304750CB	39-00-0182	2D	18-24	.46	.44	.40
304776CB	44476-1112 †	2B	18-24	.32	.261	.188
304784CB	44485-1212 †	2D	18-24	.88	.733	.523
304813CB	39-00-0164	2C	18-24	.43	.39	.345
304872CB	39-00-0047	2A	22-28	.20	.14	.096
304899CB	39-00-0184	2D	22-28	.45	.435	.428
304910CB	39-00-0166	2C	22-28	.58	.478	.323

- Sold in 4000 piece reel

Part No.	Product No.	Desc.*	AWG	Price
307993CB	39-00-0038	2A	18-24	$140.00

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

JAMECO ValuePro

0.165" (4.2mm) Connectors Molex Mini-Fit Jr. Value Equivalents

- Low profile design to accommodate height constraints
- Fully isolated terminals to protect contacts from damage
- Contact resistance: 10mΩ
- UL rating: 94V-2
- Positive locking housings
- Voltage: 600V
- Temp.: -40˚C to +150˚C
- Pitch: 0.165" (4.2mm)
- Current: up to 9A
- Housing: 6/6 Nylon Natural


Fig. 1

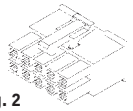
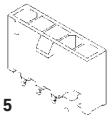
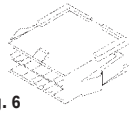

Fig. 2

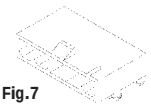


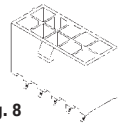
Fig. 3

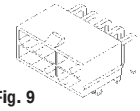

Fig. 4

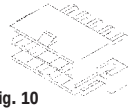

Fig. 5


Fig. 6


Fig.7


Fig. 8


Fig. 9


Fig. 10

5557 Series Connector Equivalents

Receptacle Single Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364584CB	39-01-4030	1	3	$.20	$.147	$.124
364592CB	39-01-4040	1	4	.33	.267	.226
364605CB	39-01-4050	1	5	.33	.265	.223

Receptacle Dual Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364736CB	39-01-2020	2	2	$.27	$.24	$.162
364744CB	39-01-2040	2	4	.20	.176	.119
364752CB	39-01-2060	2	6	.38	.34	.23
364761CB	39-01-2080	2	8	.43	.371	.258
364779CB	39-01-2100	2	10	.42	.374	.252
364787CB	39-01-2120	2	12	.47	.421	.283
364795CB	39-01-2140	2	14	.57	.51	.343
364808CB	39-01-2160	2	16	.59	.522	.351
364824CB	29-01-2200	2	20	.75	.666	.448
364832CB	39-01-2220	2	22	.99	.912	.611
364841CB	39-01-2240	2	24	.84	.744	.502

5559 Series Connector Equivalents

Plugs - Panel Mount w/ Ears, Single Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364613CB	39-01-4032	3	3	$.24	$.195	$.165
364621CB	39-01-4052	3	5	.32	.258	.218

Plugs - Panel Mount w/ Ears, Dual Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364859CB	39-01-2021	6	2	$.27	$.242	$.162
364867CB	39-01-2041	6	4	.39	.363	.24
364875CB	39-01-2061	6	6	.43	.371	.248
364883CB	39-01-2081	6	8	.35	.312	.21
364891CB	39-01-2101	6	10	.42	.374	.252
364904CB	39-01-2121	6	12	.43	.382	.257
364912CB	39-01-2141	6	14	.59	.435	.336
364921CB	39-01-2161	6	16	.62	.506	.44

Plugs - Free Hanging w/o Ears, Single Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364630CB	39-01-4036	4	3	$.31	$.254	$.214
364648CB	39-01-4046	4	4	.24	.196	.166
364656CB	39-01-4056	4	5	.27	.22	.186

5566 Series PCB Header Equivalents

Vertical Single Row w/ Pegs & Drain Holes – Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364672CB	39-30-2035	5	3	$.75	$.466	$.378
364681CB	39-30-2045	5	4	.89	.55	.445
364699CB	39-30-2056	5	5	1.25	.751	.607

Our friendly sales department will take your order 24x7x365 by phone, fax, web or email.

5566 Series PCB Header Equivalents (Con't)

Vertical Dual Row without Pegs without Drain Holes – Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364939CB	39-28-1023	8	2	$.60	$.516	$.36
364947CB	39-28-1043	8	4	.77	.672	.464
364955CB	39-28-1063	8	6	1.05	.877	.632
364963CB	39-28-1083	8	8	1.19	.99	.737
364971CB	39-28-1103	8	10	1.39	1.24	.818
364980CB	39-28-1123	8	12	1.49	1.29	.915
364998CB	39-28-1143	8	14	1.89	1.71	1.22
365000CB	39-28-1163	8	16	2.09	1.89	1.35
365018CB	39-28-1183	8	18	2.39	2.15	1.46
365026CB	39-28-1203	8	20	2.85	2.48	1.72
365034CB	39-28-1223	8	22	1.09	.96	.923
365042CB	39-28-1243	8	24	3.19	2.66	1.92

Vertical Dual Row without Pegs without Drain Holes – Gold

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365051CB	39-29-0023	8	2	$.74	$.577	$.496
365069CB	39-29-0043	8	4	1.19	1.15	.904
365077CB	39-29-0063	8	6	1.39	1.19	.944
365085CB	39-29-0103	8	8	2.19	2.15	2.14
365093CB	39-29-0123	8	10	2.19	1.84	1.49
365106CB	39-29-0143	8	12	3.19	3.15	3.14
365114CB	39-29-0163	8	14	3.75	3.71	3.69
365122CB	39-29-0163	8	16	4.19	4.15	4.09
365131CB	39-29-0183	8	18	4.69	4.65	4.63
365149CB	39-29-0203	8	20	5.29	5.25	5.19
365157CB	39-29-0223	8	22	5.85	5.83	5.82
365165CB	39-29-0243	8	24	6.29	6.23	6.12

5569 Series PCB Header Equivalents

Right Angle Single Row w/ Pegs – Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364701CB	39-30-3035	7	3	$.85	$.502	$.406
364710CB	39-30-3045	7	4	.79	.476	.386
364728CB	39-30-3055	7	5	.99	.614	.496

Right Angle Dual Row w/ Pegs – Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365173CB	39-30-1020	9	2	$.53	$.476	$.322
365181CB	39-30-1040	9	4	.55	.419	.284
365190CB	39-30-1060	9	6	.69	.521	.352
365202CB	39-30-1080	9	8	.72	.616	.416
365211CB	39-30-1100	9	10	.99	.758	.512
365229CB	39-30-1120	9	12	1.19	.90	.608
365237CB	39-30-1140	9	14	1.15	.99	.689
365245CB	39-30-1160	9	16	1.55	1.19	.81
365253CB	39-30-1180	9	18	1.39	1.16	.948
365261CB	39-30-1200	9	20	1.49	1.28	1.14
365270CB	39-30-1220	9	22	2.05	1.98	1.90
365288CB	39-30-1240	9	24	2.19	1.99	1.91

5569 Series PCB Header Equivalents (Con't)

Right Angle Dual Row w/ Pegs – Gold

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365325CB	39-30-1021	9	2	$1.39	$1.25	$.84
365333CB	39-30-1041	9	4	.95	.94	.928
365341CB	39-30-1061	9	6	1.09	.995	.952
365350CB	39-30-1081	9	8	1.49	1.45	1.43
365368CB	39-30-1101	9	10	1.69	1.62	1.54
365376CB	39-30-1121	9	12	2.05	1.79	1.72
365384CB	39-30-1141	9	14	2.45	2.41	2.39
365392CB	39-30-1161	9	16	2.85	2.79	2.76
365405CB	39-30-1181	9	18	3.25	2.96	2.90
365413CB	39-30-1201	9	20	3.49	3.29	3.09
365421CB	39-30-1221	9	22	4.25	4.22	4.15
365430CB	39-30-1241	9	24	4.75	4.73	4.68

Right Angle - Dual Row w/ Flanges – Tin

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365448CB	39-29-1028	10	2	$.39	$.348	$.232
365456CB	39-29-1048	10	4	.49	.435	.296
365464CB	39-29-1068	10	6	.62	.569	.384
365472CB	39-29-1088	10	8	.76	.672	.456
365481CB	39-29-1108	10	10	.91	.837	.568
365499CB	39-29-1128	10	12	1.05	.94	.64
365501CB	39-29-1148	10	14	1.15	.97	.80
365510CB	39-29-1168	10	16	1.49	1.35	.91
365528CB	39-29-1188	10	18	1.69	1.68	1.67
365536CB	39-29-1208	10	20	1.79	1.51	1.22
365544CB	39-29-1228	10	22	3.15	2.80	1.92
365552CB	39-29-1248	10	24	3.89	3.30	2.34

Right Angle - Dual Row w/ Flanges – Gold

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
365561CB	39-39-5023	10	2	$1.35	$1.19	$.808
365579CB	39-29-5043	10	4	1.55	1.37	.928
365587CB	39-29-5063	10	6	2.25	1.98	1.36
365595CB	39-29-5083	10	8	2.55	2.28	1.54
365608CB	39-29-5103	10	10	1.89	1.79	1.76
365616CB	39-29-5123	10	12	3.39	3.04	2.06
365624CB	39-29-5143	10	14	3.89	3.71	2.56
365632CB	39-29-5163	10	16	4.85	4.34	2.94
365641CB	39-29-5183	10	18	3.45	3.39	3.06
365659CB	39-29-5203	10	20	3.95	3.89	3.88
365667CB	39-39-5223	10	22	4.45	4.42	4.36
365675CB	39-29-5243	10	24	4.99	4.97	4.95

Hand Crimp Tools for Mini-Fit Jr.


308030CB


227491CB

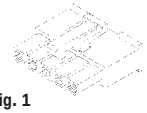
308030CB: Cuts & strips 14-24 AWG wires
227491CB: Cuts & strips 18-30 AWG wires

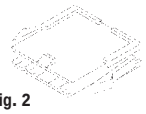
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227491CB	W-HT-1921 ⊕	8.3"L	Yellow	14.99	13.99

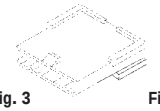
RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

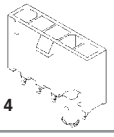
.165" (4.2mm) Mini-Fit Jr. Connectors

- Use with strain relief or overmold applications
- UL/CSA/TUV approved
- Uses standard Mini-Fit series terminals
- Positive housing lock for secure mating retention
- Fully isolated terminals to protect contacts from damage
- Housing: 6/6 nylon natural, UL 94V-2 rated


Fig. 1


Fig. 2


Fig. 3


Fig. 4

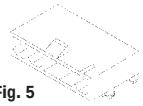
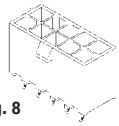
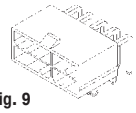
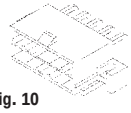

Fig. 5

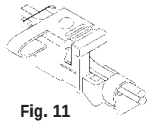

Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11

Single Row Receptacles and Plugs

Receptacles

✳ Minimum order 10 pieces

Part No.	Product No.	Fig.	Pos.	1	10	100
303765CB	39-01-4030 ⊕	1	3	$.43	$.319	$.203
303773CB	39-01-4040 ⊕	1	4	.40	.318	.268
303781CB	39-01-4050 ⊕	1	5	.39	.315	.265

Panel Mount Receptacle w/ Passive Lock

462424CB	03-04-4052♠	1	5	✳	$.30	$.29

Panel Mount Plugs w/ Mounting Ears

303790CB	39-01-4032 ⊕	2	3	$.46	$.414	$.276
303829CB	39-01-4052 ⊕	2	5	.38	.307	.258

Panel Mount Plugs w/o Mounting Ears

303802CB	39-01-4036 ⊕	3	3	$.37	$.302	$.254
303811CB	39-01-4046 ⊕	3	4	.49	.404	.295
303837CB	39-01-4056 ⊕	3	5	.53	.461	.329

Single Row Headers

- Voltage: 600V • Contact resistance: 10mΩ max.
- Dielectric withstanding voltage: 1500VAC
- Insulation resistance: 1000MΩ min.
- Contact: brass or phosphor bronze

Vertical Headers w/ Pegs

Part No.	Product No.	Fig.	Pos.	1	10	100
304565CB	39-30-1039 ⊕	4	3	$.90	$.537	$.433
304573CB	39-30-2035 ⊕	4	3	.91	.555	.448
304581CB	39-30-2045 ⊕	4	4	1.49	1.24	.884
304590CB	39-30-2056 ⊕	4	5	1.55	.903	.721

Right Angle Headers w/ Pegs

304602CB	39-30-3035 ⊕	5	3	$1.02	$.603	$.482
304611CB	39-30-3045 ⊕	5	4	1.00	.96	.542
304629CB	39-30-3055 ⊕	5	5	1.55	1.35	.903

Double Row Receptacles

Part No.	Product No.	Fig.	Positions	1	10	100
303562CB	39-01-2020 ⊕	6	2	$.27	$.215	$.162
303571CB	39-01-2040 ⊕	6	4	.41	.341	.232
303589CB	39-01-2060 ⊕	6	6	.40	.361	.243
303597CB	39-01-2080 ⊕	6	8	.45	.406	.274
303600CB	39-01-2100 ⊕	6	10	.50	.445	.299
303618CB	39-01-2120 ⊕	6	12	.56	.501	.336
303626CB	39-01-2140 ⊕	6	14	.69	.612	.411
303634CB	39-01-2160 ⊕	6	16	.70	.621	.417
303642CB	39-01-2180 ⊕	6	18	.81	.723	.485
303651CB	39-01-2200 ⊕	6	20	.89	.792	.532
303669CB	39-01-2220 ⊕	6	22	1.20	1.07	.713
303677CB	39-01-2240 ⊕	6	24	.99	.876	.589

Double Row Plugs

Panel Mount Plugs w/ Mounting Ears

Part No.	Product No.	Fig.	Pos.	1	10	100
303685CB	39-01-2021 ⊕	7	2	$.32	$.264	$.193
303693CB	39-01-2041 ⊕	7	4	.47	.392	.267
303706CB	39-01-2061 ⊕	7	6	.51	.364	.268
303714CB	39-01-2081 ⊕	7	8	.42	.371	.25
303722CB	39-01-2101 ⊕	7	10	.50	.445	.299
303731CB	39-01-2121 ⊕	7	12	.51	.454	.305
303749CB	39-01-2141 ⊕	7	14	.70	.517	.399
303757CB	39-01-2161 ⊕	7	16	.75	.602	.523

Double Row Headers

- Voltage: 600V • Contact resistance: 10mΩ max.
- Dielectric withstanding voltage: 1500VAC
- Insulation resistance: 1000MΩ min.
- Contact: brass or phosphor bronze

Vertical Headers w/o Pegs – Tin Plated

Part No.	Product No.	Fig.	Pos.	1	10	100
303845CB	39-28-1023 ⊕	8	2	$.68	$.415	$.344
303853CB	39-28-1043 ⊕	8	4	.89	.761	.551
303861CB	39-28-1063 ⊕	8	6	1.19	.95	.658
303870CB	39-28-1083 ⊕	8	8	1.37	1.19	.827
303888CB	39-28-1103 ⊕	8	10	1.65	1.45	.96
303896CB	39-28-1123 ⊕	8	12	1.79	1.27	.888
303909CB	39-28-1143 ⊕	8	14	2.25	1.98	1.39
303917CB	39-28-1163 ⊕	8	16	2.49	2.11	1.46
303925CB	39-28-1183 ⊕	8	18	2.89	2.56	1.71
303933CB	39-28-1203 ⊕	8	20	3.39	2.95	2.01
303941CB	39-28-1223 ⊕	8	22	3.15	2.46	1.68
303950CB	39-28-1243 ⊕	8	24	3.79	3.16	2.25

Vertical Headers w/o Pegs – Gold Plated, 30µ"

303968CB	39-29-0023 ⊕	8	2	$.88	$.686	$.589
303976CB	39-29-0043 ⊕	8	4	2.05	1.81	1.07
303984CB	39-29-0063 ⊕	8	6	3.29	2.85	2.00
303992CB	39-29-0083 ⊕	8	8	4.45	3.97	2.65
304004CB	39-29-0103 ⊕	8	10	5.05	4.47	2.99
304012CB	39-29-0123 ⊕	8	12	5.65	5.22	3.49
304021CB	39-29-0143 ⊕	8	14	6.85	6.08	4.07
304039CB	39-29-0163 ⊕	8	16	7.75	6.87	4.59
304047CB	39-29-0183 ⊕	8	18	8.65	7.68	5.14
304055CB	39-29-0203 ⊕	8	20	9.15	8.12	5.43
304063CB	39-29-0223 ⊕	8	22	10.55	9.30	6.22
304071CB	39-29-0243 ⊕	8	24	11.49	10.58	6.76

Right Angle Headers w/ Pegs – Tin Plated

304080CB	39-30-1020 ⊕	9	2	$.64	$.566	$.383
304098CB	39-30-1040 ⊕	9	4	1.02	.907	.604
304101CB	39-30-1060 ⊕	9	6	1.31	.968	.664
304119CB	39-30-1080 ⊕	9	8	1.48	1.31	.877
304127CB	39-30-1100 ⊕	9	10	1.79	1.05	.864
304135CB	39-30-1120 ⊕	9	12	2.49	2.16	1.47
304143CB	39-30-1140 ⊕	9	14	2.75	2.38	1.62
304151CB	39-30-1160 ⊕	9	16	3.05	2.35	1.70
304160CB	39-30-1180 ⊕	9	18	3.39	3.05	2.05
304178CB	39-30-1200 ⊕	9	20	3.95	3.49	2.33
304186CB	39-30-1220 ⊕	9	22	4.45	3.92	2.61
304194CB	39-30-1240 ⊕	9	24	4.95	4.39	2.92

Strain Reliefs

- Voltage: 600V • Current: 9A
- Contact resistance: 10mΩ max.
- Dielectric withstanding voltage: 1500V
- Insulation resistance: 1000MΩ min.

Part No.	Product No.	Fig.	Pos.	1	10	100
304637CB	15-04-0296 ⊕	11	6	$1.04	$1.00	$.95
304645CB	15-04-0343 ⊕	11	8	1.14	1.08	.979
304653CB	15-04-0345 ⊕	11	12	1.15	1.10	.998

Double Row Headers (Continued)

Right Angle Headers w/ Pegs – Gold Plated, 30µ"

Part No.	Product No.	Fig.	Pos.	1	10	100
304207CB	39-30-1021 ⊕	9	2	$1.69	$1.50	$1.00
304215CB	39-30-1041 ⊕	9	4	2.15	1.90	1.26
304223CB	39-30-1061 ⊕	9	6	2.65	2.36	1.57
304231CB	39-30-1081 ⊕	9	8	3.19	2.85	1.90
304240CB	39-30-1101 ⊕	9	10	3.85	3.39	2.26
304258CB	39-30-1121 ⊕	9	12	3.29	3.25	2.65
304266CB	39-30-1141 ⊕	9	14	5.25	4.67	3.12
304274CB	39-30-1161 ⊕	9	16	6.05	5.41	3.60
304282CB	39-30-1181 ⊕	9	18	4.55	4.39	3.44
304291CB	39-30-1201 ⊕	9	20	7.25	6.47	4.31
304303CB	39-30-1221 ⊕	9	22	8.65	7.70	5.13
304311CB	39-30-1241 ⊕	9	24	10.15	9.05	6.03

Right Angle Headers w/ Flange – Tin Plated

304320CB	39-29-1028 ⊕	10	2	$.82	$.685	$.466
304338CB	39-29-1048 ⊕	10	4	1.06	.865	.665
304346CB	39-29-1068 ⊕	10	6	1.35	1.06	.782
304354CB	39-29-1088 ⊕	10	8	1.65	1.26	.876
304362CB	39-29-1108 ⊕	10	10	1.85	1.55	1.16
304371CB	39-29-1128 ⊕	10	12	2.15	1.81	1.36
304389CB	39-29-1148 ⊕	10	14	2.69	2.23	1.63
304397CB	39-29-1168 ⊕	10	16	2.69	2.46	1.84
304400CB	39-29-1188 ⊕	10	18	3.15	2.82	1.88
304418CB	39-29-1208 ⊕	10	20	3.75	3.32	2.21
304426CB	39-29-1228 ⊕	10	22	3.85	3.41	2.28
304434CB	39-29-1248 ⊕	10	24	4.69	3.97	2.78

Right Angle Headers w/ Flange – Gold Plated, 30µ"

304442CB	39-29-5023 ⊕	10	2	$1.65	$1.43	$.96
304451CB	39-29-5043 ⊕	10	4	1.85	1.64	1.10
304469CB	39-29-5063 ⊕	10	6	2.75	2.38	1.62
304477CB	39-29-5083 ⊕	10	8	3.09	2.75	1.83
304485CB	39-29-5103 ⊕	10	10	4.09	3.65	2.43
304493CB	39-29-5123 ⊕	10	12	4.15	3.66	2.44
304506CB	39-29-5143 ⊕	10	14	5.15	4.55	3.04
304514CB	39-29-5163 ⊕	10	16	5.89	5.22	3.49
304522CB	39-29-5183 ⊕	10	18	6.75	5.99	4.01
304531CB	39-29-5203 ⊕	10	20	7.29	6.47	4.32
304549CB	39-29-5223 ⊕	10	22	8.65	7.68	5.13
304557CB	39-29-5243 ⊕	10	24	8.65	8.18	5.47

Hand Tools for Mini-Fit Jr.


304928CB


304936CB

304928CB: Crimp tool
- Accepts wire range from 14-24 AWG

304936CB: Extraction tool

Part No.	Product No.	1	5
304928CB	63811-1000 ⊕	$42.99	$39.99
304936CB	11-03-0044 ⊕	19.99	18.99

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

.198" (5.03mm) Pitch Pin & Socket Shrouded Headers



Centers Crimp Style

- 3, 4, 6, 9, 12 and 15 circuits available
- Pre-assembled
- Intermix of male and female terminals for polarization
- Polarized housing design assures proper mating
- Voltage: 250V • Current: 5.0A
- Dielectric withstanding voltage: 1500VAC min.
- Contact resistance: 10mΩ max.
- Polyester UL94V-0
- Brass or phosphor bronze contacts, tin plating
- Temp. range: -40˚C to 105˚C

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See Our Complete .198" Series Offering at www.Jameco.com/Prod/Molex198

Crimp Terminals



6482 Crimp Terminal

- 14-18 AWG

5298 Board-In Stand Alone Crimp Terminal

5298

- 18-22 AWG
- Male
- Tin plated brass contact



5190 Board-In Stand Alone Crimp Terminal

- 22-26 AWG • Male

5190

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See Our Complete Crimp Terminal Offering at www.Jameco.com/Prod/MolexCrimpTerminals

.175" (4.45mm) Common Crimp Housings



Receptacle

- Female
- Replaces terminal blocks
- Stackable side-by-side
- Polarizing key available
- Fewer parts for inventory
- Simplified service
- Vertical • UL 94V-0
- Circuit number identification

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete 0.175" Offering at www.Jameco.com/Prod/MolexCrimpHousing

Flat Blade Micro Switch Crimp Housings



Receptacle

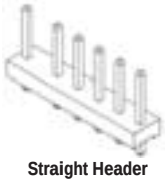
- Female
- PA Polyamide (Nylon) 6/6
- Temp. range: -30˚ to 105˚C
- Vertical
- UL 94V-2

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Flat Blade Housing Offering at www.Jameco.com/Prod/MolexCrimpHousing

SPOX™ Series Connectors

The 2.50 to 7.92 mm (.098 and .312") pitch SPOX (springbox) contact design Wire-to-Board system ensures reliable contact interfaces.



Straight Header



Right Angle Header



Straight Header

- Wire-to-Board, Board-to-Board
- 2 to 20 Circuits. 2.50 mm (.098")
- 2 to 12 Circuits 3.96 mm (.156")
- 2 to 9 Circuits 5.08 mm (.200")
- 3 to 5 Circuits 7.92 mm (.312")
- 4.0 to 7.0 A, 250 V
- Tin plating
- Crimp termination
- Through-hole
- 18 to 28 AWG
- Top, side and bottom entry versions enable Board-to-Board solutions
- Box design protects contact surface and eliminates 'fish-hooking' issues
- Terminals offer 4 points of contact
- Locking ramps provide retention to friction lock headers
- Ribs provide side-to-side polarization
- Voided version has second circuit blanked for polarization



Right Angle Header



Housing



Housing



Terminal

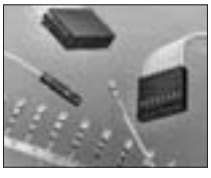


Terminal

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See Complete SPOX Connector Series Offering at www.Jameco.com/Prod/MolexSPOX

AMPMODU™ MTE Interconnection System



Breakaway Headers • Single-row • Unshrouded

Low-Profile Headers

- Shrouded with ejection latches • Square straight post • Double-row

MTE Pin and Receptacle Assemblies • Single-row • Polarized/latching

Mod IV Receptacle Contacts • Standard/intermediate and high pressure

Mod IV Wire Applied Housings

- Single/double row • Polarized with detent latching • Center polarized • Non polarized

Post Shunts • 2 position • Low-profile

Interchangeable Contacts • Wire crimp snap-in pins

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP AMPMODU MTE Connector Offering at www.Jameco.com/Prod/AMPMODUMTE

Mate-N-Lok™ Connectors



Wire to Board Connectors

- Wire application side
- PC board application side
- Panel mount applications
- Economy Interconnection (EI) series

Universal Connectors

- PC board vertical pin headers
- Free hanging or panel mount housings
- Tin and gold, crimp and solder

Commercial Connectors

- PC board vertical pin headers
- Free hanging and panel housings
- Positive lock • Motor mount, dual row

Miniature Rectangular Connectors

- Free hanging and panel housings
- 2 and 3 circuit, in-line

Signal Contacts

- Type III+, crimp and snap-in

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

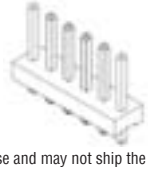
See Our AMP Mate-N-Lok Series Offering at www.Jameco.com/Prod/AMPMateNLok

Pitch Headers



- Nylon 6/6, UL 94V-2
- Temp. range: -40˚ to 105˚C
- Voltage: 250V • Current: 7.0A
- Dielectric withstanding voltage: 1500VAC min.
- Contact resistance: 10mΩ max.

.200" (5.08) Right Angle, Square Pin



- Sizes: 2 to 7 circuits

.156" (3.96) Vertical

- Sizes: 2 to 12 circuits

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Pitch Headers Offering at www.Jameco.com/Prod/MolexPitchHeaders

Connector Tools

AT-200 Hand Held Pneumatic Tool

Hand Crimp Tool

Semi-Automatic Crimp Tool Kits

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Molex Tools Offering at www.Jameco.com/Prod/MolexTools

.200" (5.08mm) Pitch PC Board Connectors

Bottom Entry

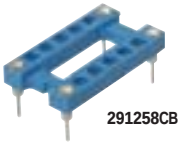


- Sizes: 3 to 6 circuits
- Nylon 6/6, UL 94V-2
- Temp. range: -40˚ to 105˚C
- Voltage: 250V • Current: 7.0A
- Dielectric withstand voltage: 1500VAC min.
- Contact resistance: 8mΩ max.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete 0.200" Connector Offering at www.Jameco.com/Prod/Molex200

Oscillator Sockets

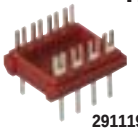


291258CB

- Body material: blue UL 94V-0 glass filled polyester thermoplastic
- Brass alloy pin, 1/2 hard w/ 200µ" (5.08µm) 93/7 tin/lead plating
- Contact current: 3A
- Center pin spacing: .300" (7.62mm)
- Operating temperature: 221˚F (105˚C)
- Suggested PCB hole size: .030" (.76mm)

Part No.	Prod. No.	Pos.	L" x W"	1	10	100
291282CB	1108800 ⊕	8	.40 x .40	$.56	$.47	$.38
291258CB	1107741 ⊕	14	.70 x .40	.56	.47	.38

DIP Headers and Header Covers



291119CB



291451CB

- Standard cover/body material is red UL 94-HB glass filled nylon • High temperature cover/body material is black UL 94V-0 4/6 nylon

Series 600 Headers w/ Coined Contacts

- Contact plating: 100µ" min., tin
- Contact rating: 2A
- Operating temp.: 221˚F (105˚C) max.
- Fork contacts: accept up to .025" (.64mm) dia. leads

Part No.	Product No.	Pos.	*W (in.)	1	10	100
291119CB	08-600-10 ⊕	8	0.300	$1.09	$.96	$.79
291311CB	14-600-10 ⊕	14	0.300	1.55	1.37	1.11
291573CB	16-600-10 ⊕	16	0.300	1.69	1.49	1.22
291872CB	18-600-10 ⊕	18	0.300	1.89	1.67	1.35
291944CB	20-600-10 ⊕	20	0.300	2.05	1.79	1.45
291995CB	24-600-10 ⊕	24	0.600	2.49	2.19	1.79
295128CB	28-600-10 ⊕	28	0.600	2.89	2.55	2.06

* Center to center pin width

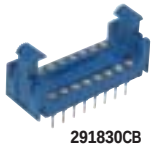
Series 650 Header Covers

Part No.	Prod. No.	Pos.	*Ht. (in.)	1	10	100
291127CB	08-650-10 ⊕	8	0.125	$.48	$.395	$.335
291338CB	14-650-10 ⊕	14	0.125	.49	.40	.33
291451CB	14-650-20 ⊕	14	0.375	.53	.44	.36
291653CB	16-650-10 ⊕	16	0.125	.52	.43	.36
291661CB	16-650-20 ⊕	16	0.375	.52	.43	.36
291881CB	18-650-10 ⊕	18	0.125	.61	.50	.41
291952CB	20-650-10 ⊕	20	0.125	.60	.50	.41
292007CB	24-650-10 ⊕	24	0.125	.67	.56	.45
292023CB	24-650-20 ⊕	24	0.375	.79	.68	.51
295136CB	28-650-10 ⊕	28	0.125	.87	.74	.61

* Max. component height

EJECT-A-DIP DIP Collet Sockets

With Solder Tail Pins



291830CB

- Latch and body: UL 94V-0 glass-filled polyester thermoplastic
- Brass alloy pin body w/ 200µ" (5.08µm) 93/7 tin/lead plating
- Beryllium copper alloy 6-fingered collet contact w/ 10µ" (0.25µm) gold plating • Contact current: 3A
- Insulation resistance: 10,000MΩ @ 500VDC
- Withstanding voltage: 1000VRMS
- Operating temp.: -67˚F to 257˚F (-55˚C to 105˚C)
- Center pins: 291493CB/291830CB – 0.300"; 295216CB/295259CB – 0.600"
- Suggested PCB hole size: 0.030" (0.76mm) Dia.

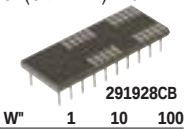
Vertical Mount

Part No.	Product No.	Pins	L" x W"	1	10	100
291493CB	14-C280-10 ⊕	14	0.95 x .40	$3.09	$2.49	$1.85
291830CB	16-C280-10 ⊕	16	1.05 x .40	3.29	2.65	1.99
295216CB	32-C182-10 ⊕	32	1.89 x .70	5.55	4.49	3.85
295259CB	40-C182-10 ⊕	40	2.29 x .70	7.05	5.69	4.89

SOIC/SOJ to DIP Adapters

- Board material: 0.062" thick FR-4 with 1 oz. copper traces on both sides
- Brass alloy pins with 200µ" (5.08um) minimum tin plating
- Operating temperature: 221˚F (105˚C) max.
- Suggested PCB hole size: 0.028" (0.71mm) Dia.

Series 35000X

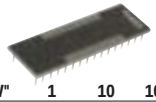


291928CB

- Center pins: 0.300" (7.62mm)
- SOIC package (except 291928CB – SOJ)

Part No.	Product No.	Pins	L" x W"	1	10	100
291207CB	08-350000-10 ⊕	8	.400 x .46	$6.59	$5.59	$4.50
291291CB	14-350000-10 ⊕	14	.700 x .45	6.55	5.55	4.62
291514CB	16-350000-10 ⊕	16	.800 x .45	6.55	5.59	4.65
291864CB	18-350000-10 ⊕	18	.900 x .45	6.55	5.55	4.70
291910CB	20-350000-10 ⊕	20	1.0 x .45	6.55	5.55	4.59
291928CB	20-350001-10 ⊕	20	1.0 x .42	6.05	5.99	5.35
291979CB	24-350000-10 ⊕	24	1.2 x .45	4.45	4.33	4.23
292074CB	28-350000-10 ⊕	28	1.4 x .40	6.05	5.23	5.00

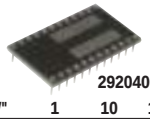
Series 45000X



- Center pins: 0.400" (10.16mm)
- SOJ package

Part No.	Product No.	Pins	L" x W"	1	10	100
295179CB	32-450001-10 ⊕	32	1.6 x .53	$9.09	$8.99	$8.89

Series 65000X



292040CB

- Center pins: 0.600" (15.24mm)
- SOIC package (except 295187CB – SOJ)

Part No.	Product No.	Pins	L" x W"	1	10	100
295187CB	32-650000-10 ⊕	32	1.6 x .7	$10.35	$10.25	$10.15
292040CB	24-650000-10 ⊕	24	1.2 x .7	9.19	8.55	7.09
295144CB	28-650000-10 ⊕	28	1.4 x .7	10.35	10.25	10.15

Series 516 ZIF Sockets



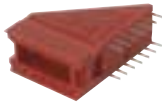
295110CB

- Body, handle, and cam are 94V-0 glass-filled polyester thermoplastic
- Copper beryllium pins w/ 50µ" (1.27µm) tin plating
- Contact current: 1A
- Operating temp.: 221˚F (105˚C) max.
- Center pins: 0.600" (15.24mm)
- Suggested PCB hole size: 0.035" (.89mm) Dia.

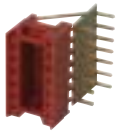
Part No.	Product No.	Pins	L" x W"	1	10	100
295110CB	28-516-10 ⊕	28	1.2 x .785	$8.99	$8.19	$7.75
295224CB	40-516-10 ⊕	40	2.0 x .780	11.99	10.79	10.19

Series 800 Vertisockets

With Bifurcated Contacts



291477CB



291485CB

- Body material: UL 94-HB glass filled nylon
- Phosphor bronze spring tempered bifurcated contacts
- Contact plating: 100µ" (2.54µm) tin or 10µ" (.254µm) gold
- Contact current: 1.5A
- Operating temperature: 221˚F (105˚C) for tin; 257˚F (125˚C) for gold
- Suggested PCB hole size: 0.044" (1.12mm) dia.
- Gold plated (except 296770CB – tin plated)
- Center pins: 0.300" (except 291231CB – 0.200")

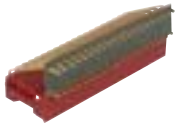
Vertical Mount

Part No.	Product No.	Pins	L" x W"	1	10	100
291231CB	10-2810-90 ⊕	10	1.0 x .29	$4.99	$4.19	$3.39
291477CB	14-810-90R ⊕	14	1.4 x .39	2.69	2.39	1.85
296770CB	14-810-90T ⊕	14	1.4 x .39	3.65	3.25	2.49

Horizontal Mount

Part No.	Product No.	Pins	L" x W"	1	10	100
291485CB	14-823-90 ⊕	14	1.4 x .39	$4.15	$3.69	$2.85

Horizontal Mounting w/ Collet Contacts



- Body material: UL 94-HB glass filled nylon
- Brass alloy pin body w/ 200µ" (5.07µm) 93/7 tin/lead plating
- Beryllium copper alloy 4-fingered collet contacts
- Operating temperature: 221˚F (105˚C)
- Contact current: 3A
- Center pins: 0.300" (7.62mm)
- Suggested PCB hole size: 0.035" (0.89mm) dia.

Part No.	Product No.	Pins	L" x W"	1	10	100
295241CB	40-6823-10 ⊕	40	2.0 x .70	$12.69	$11.19	$8.79

Cinch Jones Plugs and Sockets

Multiple-Density Solder-Eyelet Connectors with Hood and 180° Clamp



248786CB



248823CB

- Insulation material: molded mono-block, black phenolic
- Contact material: plug – brass; socket – phosphor bronze
- Contact plating: cadmium
- Hood material: UL 94V-0 rated thermoplastic
- Operating voltage: 250 VAC RMS maximum
- Current rating: 10 amps
- Contact resistance: 16mΩ max.

Plugs

Part No.	Product No.	Contacts	1	25
248760CB	P-302-CCT ⊕	2	$2.15	$1.96
248778CB	P-303-CCT ⊕	3	2.39	2.15
248786CB	P-304-CCT ⊕	4	3.09	2.49
248794CB	P-306-CCT ⊕	6	2.89	2.62

Sockets

Part No.	Product No.	Contacts	1	25
248807CB	S-302-CCT ⊕	2	$2.29	$2.11
248815CB	S-303-CCT ⊕	3	2.69	2.43
248823CB	S-304-CCT ⊕	4	2.69	2.46
248831CB	S-306-CCT ⊕	6	3.09	2.80

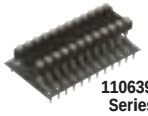
To Find Additional Products In This Series, Visit www.Jameco.com/Prod/CinchJones

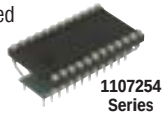
RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Row-to-Row DIP Adapter Socket

These sockets allow the use of .300" (7.62mm) center devices when the PCB is drilled on .600" (15.24mm) centers and vice versa, giving the flexibility of using .600" or .300" center devices in the same application.


1106396 Series


1107254 Series

- Socket body: UL 94-HB glass-filled nylon
- Brass alloy pin body w/ 200µ" (1.27µm) 93/7 tin/lead plating
- Beryllium copper alloy 4-fingered collet contact w/ 30µ" (0.76µm) gold plating
- Contact current: 3A
- Operating temp.: 221˚F (105˚C)
- Suggested PCB hole size: .035" (.89mm) dia.

Series 1106396 – .300" to .600" adapter

Part No.	Product No.	Pins	1	10	100
296737CB	1106396-24 ⊕	24	$9.69	$7.39	$6.79
296745CB	1106396-28 ⊕	28	10.89	8.29	7.55

Series 1107254 – .600" to .300" adapter

Part No.	Product No.	Pins	1	10	100
296753CB	1107254-24 ⊕	24	$9.69	$7.39	$6.79
296761CB	1107254-28 ⊕	28	10.89	8.29	7.55

Test & Burn-In Zero Insertion Sockets


295267CB

- Black body UL 94V-0 glass-filled polyphenylene sulfide • 44-pin
- Beryllium copper alloy contacts
- Contact current: 1A

295267CB: PLCC

- 12µ" gold plating contacts
- Contact resistance: 30mΩ max. (initial)
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 700VAC cont. for 1 minute
- Self inductance: 8.9nH at 10MHz
- Operating temp.: -67˚F to 338˚F (-55˚C to 170˚C)
- Size: 1.772"L x 1.339"W

295275CB: SOIC NEW

- 20µ" gold plating contacts
- Stainless steel hardware • Size: 2.72"L x 1.86"W
- Operating temp.: 257˚F (125˚C)

Part No.	Product No.	1	10	100
295267CB	44-536-11 ⊕	$60.49	$60.39	$60.29
295275CB	44-547-11	157.25	143.05	134.99

Series 526 Low Profile ZIF Socket


296788CB

- Body: UL 94V-0 glass-filled polyester thermoplastic
- Beryllium copper alloy spring tempered contacts w/ 200µ" (5.08µm) tin plating
- Zinc alloy cam
- Operating temp.: -67˚F to 221˚F (-55˚C to 105˚C)
- Contact current: 2A
- Contact resistance: 10mΩ max.
- Breakdown voltage: 1000VAC min.
- Center pins: .600" (15.24mm)
- Suggested PCB hole size: .035" (0.89mm) Dia.

Part No.	Product No.	Pins	L" x W"	1	10	100
296788CB	24-526-10 ⊕	24	1.45 x .75	$5.65	$5.19	$4.39
102744CB	28-526-10 ⊕	28	1.64 x .75	5.49	4.99	4.49
102752CB	40-526-10 ⊕	40	2.24 x .75	7.35	6.65	5.89

High Temp. Universal Zero Insertion DIP Test

Series X55X

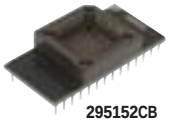

292058CB

- Accepts devices on .300" to .600" (7.62mm to 15.24mm) centers
- -10: 100µ" tin over 50µ" nickel; -11: 10µ" gold over 50µ" nickel
- Operating temperature: -10: 221˚F (105˚C) – tin plating -11: 302˚F (150˚C) – gold plating
- Socket body: UL 94V-0 glass-filled PPS
- Beryllium copper contact plating
- Stainless steel handle • Contact current: 1A
- Insulation resistance: 1000MΩ
- Dielectric withstanding voltage: 1000VAC
- Operating temperature: 482˚F (250˚C)
- Center pins: 0.600" (15.24mm)

Part No.	Product No.	Pins	L" x W"	1	10	100
292058CB	26-6554-11 ⊕	26	1.3 x 0.9	$10.95	$9.59	$9.59
295161CB	28-6554-11 ⊕	28	1.4 x 0.9	11.85	10.39	10.25
295208CB	32-6554-11 ⊕	32	1.6 x 0.9	13.15	11.49	11.39
295232CB	40-6554-11 ⊕	40	2.0 x 0.9	15.69	13.79	13.69
295291CB	48-6554-11	48	2.4 x 0.9	19.39	16.19	16.09
103991CB	24-6554-10 ⊕	24	1.8 x 0.9	7.49	6.79	5.99
104002CB	28-6554-10 ⊕	28	2.0 x 0.9	8.45	7.39	7.15
104011CB	32-6554-10 ⊕	32	2.1 x 0.9	9.95	8.49	8.29
104029CB	40-6554-10 ⊕	40	2.5 x 0.9	11.25	9.80	9.45

PLCC-to-DIP Adapter with Socket

Series 653000


295152CB

- Converts PLCC packaged ICs to DIP footprints
- Adapter body: FR-4; .062" (1.58mm) thick with 1 oz. minimum copper traces
- Brass alloy solder tail pins w/ 200µ" (5.08µm) 93/7 tin/lead • Current rating: 1A
- Operating temperature: 221˚F (105˚C)
- Center pins: .600" (15.24mm) • Width: .705"
- Suggested PCB hole size: .028" (.71mm) Dia.

Part No.	Product No.	Pos.	Length	1	10	100
295152CB	28-653000-10 ⊕	28	1.4"	$23.59	$23.49	$23.39
295195CB	32-653000-10 ⊕	32	1.6"	35.65	32.65	27.05

DIP/SOIC to TO Adapter

8-pin DIP socket or 8-pin SOIC footprint on top and a circular 8-pin TO can male footprint at the bottom. ICs now available only in 8-pin DIP or SOIC can be readily mounted on boards having TO thru-hole footprints without having to redesign the board.


323272CB


323264CB

- Board thickness: .062"
- Male pin: brass alloy with 200µ" tin plating
- Suggested PCB hole size: .028" Dia.

323272CB: DIP to TO adapter

- Socket body: black UL 94V-0
- Female pin: brass alloy with 10µ" gold plating
- Female pin contact: beryllium copper with 10µ" gold plating
- Accepts leads .015" to .025" Dia.; .100" to .125" long • Current rating: 3A
- Dimensions: 0.4"L x 0.4"W x 0.23"H

323264CB: SOIC to TO adapter

- 1 oz. copper traces on both sides • Size: 0.375"Dia.

Part No.	Product No.	1	10	100
323272CB	1109522 ⊕	$8.35	$7.89	$7.49
323264CB	1109814 ⊕	11.09	10.29	9.85

.100" and 2mm Shorting Blocks

JAMECO ValuePro


22023CB (open)


112432CB (closed)


152670CB (closed)

- Mates to .025" square posts on .100" centers
- Shorts headers/jumper blocks or color codes strip line plugs
- Mate with male headers, left
- Pin material: phosphor bronze

A Jameco EXCLUSIVE

Open: open on top to allow for a test point
Closed: closed top
119263CB: 2mm shorting block (for disk drives)

- **Minimum order 10 pieces**

Part No.	Description	10	100	1000
22023CB	Top open, black (.100") ⊕	$.12	$.09	$.06
119263CB	Top open, black (2mm) ⊕	.15	.13	.11
112424CB	Top open, blue (.100") ⊕	.133	.099	.067
112416CB	Top open, red (.100") ⊕	.12	.09	.06
19140CB	Top closed, black (.100") ⊕	.12	.09	.06
112441CB	Top closed, blue (.100") ⊕	.12	.09	.06
112432CB	Top closed, red (.100") ⊕	.20	.18	.12
152670CB	Top closed, black (.100") ⊕	.19	.15	.12

Machine Contact Single-In-Line Female Sockets

JAMECO ValuePro

- Machine tooled • Single row
- Solder tail and wire wrap


78641CB


104053CB

A Jameco EXCLUSIVE

Part No.	Description	1	10	100	500
102200CB	10-pin ⊕	$.25	$.22	$.20	$.18
78641CB	30-pin ⊕	.89	.80	.68	.61
175919CB	36-pin ⊕	1.19	1.09	.97	.87
101282CB	20-pin WW2 ⊕ †	1.49	1.35	1.09	.80
104053CB	30-pin WW3 ⊕ *	1.95	1.75	1.49	1.35

† Lead length: .435"(2) * Lead length: .575" (3)

Other Manufacturers — Great Deals

192840CB	Single x 11-pin	$.44	$.40	$.32	$.24

Machine Contact Dual-In-Line Female Sockets

JAMECO ValuePro

- 0.100" centers
- Solder tail contact: .114"L
- Pin sleeve: tin
- Contact clip: gold


184612CB

A Jameco EXCLUSIVE

Part No.	Cross Ref. No.	Pins	1	10	100
212855CB	SA101000 ⊕	10	$.29	$.23	$.21
212863CB	SA121000 ⊕	12	.30	.28	.25
212871CB	SA141000 ⊕	14	.35	.33	.30
212880CB	SA161000 ⊕	16	.40	.37	.34
212898CB	SA181000 ⊕	18	.45	.42	.38
184612CB	SA201000 ⊕	20	.50	.46	.42
212901CB	SA221000 ⊕	22	.55	.51	.47
212919CB	SA241000 ⊕	24	.60	.56	.51
212927CB	SA321000 ⊕	32	.80	.74	.68
212935CB	SA481000 ⊕	48	1.20	1.11	1.01

Can't find it in the catalog? Try our new and improved website with parametric search.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

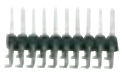
.100" Male Headers (Gold)

A Jameco EXCLUSIVE

- Solder to PC boards for instant plug-in access via shorting blocks, right
- Insulator: UL94V-0 polyester
- Snap apart to fit your application
- Contact material: phosphor bronze
- Current rating: 1 amp • Contact area: gold
- Temperature range: -55°C to +120°C
- .025" square posts on a .100" x .100" matrix
- Use with crimp connector housing, pg 134

✳**Minimum order 10 pieces**

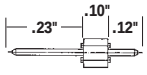

109567CB


53575CB


103376CB


153728CB

.100" Straight Male Headers

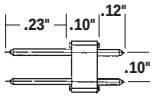


Single Row


109575CB

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
108337CB	SMH02⊕	2 ..... ✳		$.16	$.14	$.13
109575CB	SMH03⊕	3 ..... ✳		.17	.15	.135
117559CB	SMH04⊕	4 ..... ✳		.17	.15	.135
153699CB	SMH06⊕	6 ..... ✳		.17	.15	.135
153701CB	SMH08⊕	8 ..... ✳		.20	.17	.15
103392CB	SMH10⊕	10 ..... ✳		.18	.14	.10
103376CB	SMH17⊕	17 ..... ✳		.16	.14	.13
103368CB	SMH20⊕	20 ..... ✳		.25	.23	.21
202825CB	SMH22⊕	22 ..... ✳		.25	.233	.21
103350CB	SMH25⊕	25 ..... ✳		.25	.21	.16
103341CB	SMH30⊕	30	.35	.31	.28	.25
68339CB	SMH36⊕	36	.42	.38	.34	.29
160881CB	SMH40⊕	40	.49	.44	.40	.36

.100" Straight Male Headers



A Jameco EXCLUSIVE
Quantity SAVE
Double Row

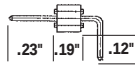

67820CB

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
115027CB	923804DS⊕	4 ..... ✳		$.10	$.09	$.07
115035CB	923806DS⊕	6 ..... ✳		.18	.16	.14
109516CB	923808DS⊕	8 ..... ✳		.18	.16	.14
67820CB	923810DS⊕	10 ..... ✳		.18	.16	.14
203810CB	923812DS⊕	12	.60	.55	.49	.44
118455CB	923814DS⊕	14	.45	.40	.36	.33
109567CB	923816DS⊕	16	.55	.49	.45	.39
203828CB	923818DS⊕	18	.65	.59	.55	.47
53479CB	923820DS⊕	20	.59	.55	.48	.43
203836CB	923822DS⊕	22	.70	.63	.50	.38
203844CB	923824DS⊕	24	.70	.65	.59	.49
203852CB	923828DS⊕	28	.75	.69	.55	.39
203879CB	923830DS⊕	30	.75	.69	.61	.50
203861CB	923832DS⊕	32	.75	.68	.54	.40
53516CB	923834DS⊕	34	.75	.69	.61	.55
203887CB	923836DS⊕	36	.99	.89	.79	.43
203895CB	923838DS	38	.89	.80	.72	.54
53559CB	923850DS⊕	50	.60	.55	.49	.45
68574CB	923860DS⊕	60	.70	.65	.59	.55
103405CB	923872DS⊕	72	.85	.75	.69	.59
117196CB	923880DS⊕	80	.90	.80	.75	.65

Other Manufacturers — Great Deals

53495CB	923826DS	26	$.32	$.29	$.23	$.172
53532CB	923840DS⊕	40	.59	.53	.42	.31

.100" Right Angle Male Headers

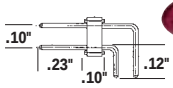


Single Row


153728CB

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
153728CB	RMH08⊕	8	$.45	$.40	$.30	$.25
103270CB	RMH36⊕	36	.75	.64	.58	.41

.100" Right Angle Male Headers



A Jameco EXCLUSIVE
Quantity SAVE
Double Row


53575CB

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
203908CB	923804DR⊕	4	$.38	$.34	$.31	$.28
203916CB	923806DR⊕	6	.49	.44	.30	.24
203924CB	923808DR⊕	8	.49	.44	.35	.26
203932CB	923810DR⊕	10	.59	.53	.48	.39
203941CB	923812DR⊕	12	.59	.53	.42	.31
203959CB	923814DR⊕	14	.65	.58	.47	.34
203967CB	923816DR⊕	16	.65	.59	.53	.43
203975CB	923818DR⊕	18	.75	.68	.59	.43
53575CB	923820DR⊕	20	.65	.59	.53	.47
203983CB	923822DR⊕	22	.65	.58	.47	.34
203991CB	923824DR⊕	24	.65	.58	.47	.34
53583CB	923826DR⊕	26	.69	.62	.51	.36
204003CB	923828DR⊕	28	.69	.62	.50	.37
204011CB	923830DR⊕	30	.75	.68	.54	.40
204020CB	923832DR⊕	32	.75	.68	.54	.40
204038CB	923834DR⊕	34	.85	.76	.69	.50
204046CB	923836DR⊕	36	.75	.68	.61	.50
204054CB	923838DR⊕	38	.75	.68	.54	.40
53604CB	923840DR⊕	40	.85	.75	.57	.50
53612CB	923850DR⊕	50	.85	.75	.57	.50
103413CB	923872DR⊕	72	1.15	.99	.89	.75
139563CB	923880DR⊕	80	1.35	1.19	1.09	.99

Wire Wrap Socket I.D. Markers

- Quick identification of pin numbers
- Slips onto socket before wrapping
- Plastic
- Can easily write location, part number or function

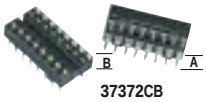

37145CB

Part No.	Prod. No.	Pins	Width (in.)	1	10	100	500
51561CB	8ID⊕	8	0.3 ...	$.44	$.35	$.30	$.28
37145CB	14ID⊕	14	0.3	.35	.31	.28	.24
37356CB	16ID⊕	16	0.3	.29	.26	.25	.23
38105CB	18ID⊕	18	0.3	.49	.45	.39	.35
38586CB	20ID⊕	20	0.3	.55	.49	.45	.41
39327CB	24ID⊕	24	0.6	.59	.52	.43	.38
40299CB	28ID⊕	28	0.6	.65	.55	.47	.45
41101CB	40ID⊕	40	0.6	.89	.79	.69	.65

Dual Wipe Solder Tail Low-Profile Sockets

A Jameco EXCLUSIVE

- Contact current: 1A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000MΩ
- Thru-hole lead length: .140" (A)
- Body height: .188" (B)
- **Minimum order 10 pieces**



37372CB

Part No.	Cross Ref. No.	Pins	Width (in.)	10	100	1000
112192CB	6LPD⊕	6	0.3 ...	$.09	$.06	$.05
112205CB	8LPD⊕	8	0.3	.09	.08	.07
112213CB	14LPD⊕	14	0.3	.10	.075	.05
112221CB	16LPD⊕	16	0.3	.13	.115	.095
112230CB	18LPD⊕	18	0.3	.16	.14	.12
307977CB	22LPD⊕	22	0.3	.14	.14	.12
112281CB	24SLPD⊕	24	0.3	.14	.13	.09
112265CB	24LPD⊕	24	0.6	.158	.129	.089
112299CB	28SLPD⊕	28	0.3	.21	.19	.17
112301CB	32LPD⊕	32	0.6	.26	.23	.173
112310CB	40LPD⊕	40	0.6	.26	.23	.19
167396CB	48LPD⊕	48	0.6	.26	.23	.21

Other Manufacturers — Great Deals

Single & Dual Wipe Low-Profile Sockets

Part No.	Cross Ref. No.	Pins	Width (in.)	10	100	1000
51570CB	8LP⊕	8	0.3 ...	$.063	$.054	$.045
37161CB	14LP⊕	14	0.3	.081	.063	.054
37372CB	16LP⊕	16	0.3	.09	.081	.054
38113CB	18LP	18	0.3	.099	.084	.063
38607CB	20LP⊕	20	0.3	.108	.09	.063
112248CB	20LPD⊕	20†	0.3	.153	.13	.098
39132CB	22LP	22	0.4	.108	.10	.095
39378CB	24SLP	24	0.3	.153	.13	.098
39335CB	24LP⊕	24	0.6	.16	.15	.11
112264CB	24LPD⊕	24†	0.6	.158	.136	.122
40301CB	28LP	28	0.6	.171	.117	.081
112272CB	28LPD	28†	0.6	.19	.16	.14
41110CB	40LP⊕	40	0.6	.171	.153	.108
112326CB	64LPD	64†	0.9	.162	.139	.104

† Dual Wipe

When to Mix Apples & Oranges



Clearly we know that DIP sockets were devised for DIP semiconductors and SMT semis mount straight onto the PCB. We also know that prototyping SMT devices is much more difficult than DIP because of the package.

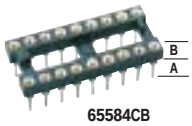
So how do you make prototyping SMT-only products much faster and easier? Just use a DIP socket! No, I'm not writing crazy talk… check out the Bellin Dynamic Systems SMT proto boards on page 296. Simply solder your devices to these carrier boards once. The DIP pins on the underside plug into your DIP sockets, so you can plug and exchange them like lego building blocks and then reuse them in future prototyping endeavors.

Practical Practices
Money Saving Tips for the Engineer

30-Day Money-Back Guarantee
If you're not satisfied with your purchase, return the product within 30 days. Details on page 305.

Machine Tooled Solder Tail Low-Profile Sockets

- Contact plating: gold
- Tin-plated leads
- Contact current: 3A
- Multiple contact elements
- Material: beryllium copper or phosphor bronze
- Contact resistance:less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000MΩ
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Sleeve material: brass
- Thru-hole lead length: 0.177" (A)
- Body height: 0.117" (B)



65584CB

A Jameco EXCLUSIVE

Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100	1000
167003CB	6MLPT⊕	6	0.3	$.29	$.26	$.18	$.16
51625CB	8MLP⊕	8	0.3	.25	.22	.19	.17
37196CB	14MLP⊕	14	0.3	.42	.38	.33	.30
37401CB	16MLP⊕	16	0.3	.47	.43	.37	.34
65584CB	18MLP⊕	18	0.3	.55	.49	.43	.39
38623CB	20MLP⊕	20	0.3	.59	.55	.45	.39
39386CB	24SMLP⊕	24	0.3	.65	.59	.53	.44
114411CB	28SMLP⊕	28	0.3	.85	.75	.65	.55
40328CB	28MLP⊕	28	0.6	.83	.75	.65	.59
105380CB	32MLP⊕	32	0.6	.95	.85	.75	.65
41136CB	40MLP⊕	40	0.6	1.19	1.05	.79	.69
42059CB	48MLP⊕	48	0.6	1.29	1.16	1.04	.89
200707CB	64MLP⊕	64	0.9	1.35	1.25	1.15	.99

Other Manufacturers — Great Deals

192209CB	224SMLP	22	0.4	$.53	$.48	$.43	$.39
39351CB	24MLP⊕	24	0.6	.65	.59	.53	.44
184680CB	284SMLP	28	0.4	.80	.72	.58	.43

PLCC Solder Tail Sockets

- Solder tail allows through-hole board patterns in .100" grid
- Accepts JEDEC type "A" plastic leaded chip (0.05" centers)
- Thru-hole lead length: 0.125"
- Body height: 0.375"


71968CB

A Jameco EXCLUSIVE

Part No.	Cross Ref. No.	Pins	1	10	50	100
71263CB	G1P428⊕	28	$.56	$.44	$.34	$.29
71811CB	G1P432⊕	32	.55	.48	.41	.39
71618CB	G1P444⊕	44	1.15	.99	.81	.69
72442CB	G1P452⊕	52	.99	.79	.65	.55
71968CB	G1P468⊕	68	1.15	.99	.89	.79
71976CB	G1P484⊕	84	1.29	1.16	1.04	.88

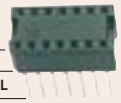


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Sale Priced Items = Yellow
Exceptional Quantity Discounts = Green

Level 1, 2 & 3 Wire Wrap Sockets

- Contact plating/leads: gold (WW) or tin (TWW); dual wipe
- Material: beryllium copper or phosphor bronze
- Contact current: 1A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300Vrms
- Insulation resistance: greater than 1000MΩ
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide • Sleeve material: brass
- Thru-hole lead length: 0.315" (L1); 0.438" (L2); 0.638" (L3) • Body height: 0.300" (A)



37233CB

Gold (WW)

Part No.	Prod. No.	Pins	W (in.)	1	10	100	500
37233CB	14WW2⊕	14	0.3	$1.49	$1.35	$1.19	$1.09
37479CB	16WW2⊕	16	0.3	1.75	1.59	1.43	1.29
196859CB	18WW3	18	0.3	1.55	1.37	1.20	1.09
38674CB	20WW2⊕	20	0.3	2.25	1.99	1.82	1.65
39394CB	24WW2⊕	24	0.6	1.85	1.63	1.43	1.33
40352CB	28WW2⊕	28	0.6	2.19	1.99	1.75	1.60

Tin (TWW)

Part No.	Prod. No.	Pins	W (in.)	1	10	100	500
37217CB	14TWW2⊕	14	0.3	$1.15	$1.03	$.93	$.84
37436CB	16TWW2⊕	16	0.3	.99	.89	.73	.67
87636CB	18TWW2⊕	18	0.3	1.09	.98	.89	.88
75379CB	20TWW2⊕	20	0.3	1.69	1.52	1.35	1.23
75416CB	24TWW2⊕	24	0.6	1.49	1.35	1.09	.79
75424CB	28TWW2⊕	28	0.6	1.89	1.63	1.36	1.22
41179CB	40TWW2⊕	40	0.6	2.49	2.15	1.79	1.59

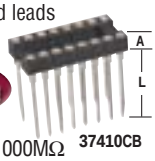
Other Manufacturers — Great Deals

196832CB	14WW1	14	0.3	$1.05	$.94	$.76	$.57
196841CB	14TWW3	14	0.3	.82	.74	.59	.44

Level 3 Machine Tooled Wire Wrap Sockets

- Contact plating: gold • Tin-plated leads
- Contact resistance: <5mΩ
- Dielectric withstanding voltage: 300Vrms
- Material: beryllium copper or phosphor bronze
- Insulation resistance: greater than 1000MΩ
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Sleeve material: brass • Body height: 0.115" (A)
- Thru-hole lead length: 0.365" (L2); 0.515" (L3)

A Jameco EXCLUSIVE



37410CB

✪ Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100	500
94473CB	8MSWW3⊕	8	0.3	$.53	$.46	$.38	$.34
62050CB	14MSWW3⊕	14	0.3	.93	.80	.67	.60
37410CB	16MSWW3⊕	16	0.3	1.09	.93	.78	.69
94481CB	18MSWW3⊕	18	0.3	1.09	.93	.78	.74
38631CB	20MSWW3⊕	20	0.3	1.33	1.14	.95	.86
185324CB	22MSWW3⊕	22	0.3	1.39	1.25	1.06	.97
105371CB	24SMSWW3⊕	24	0.3	1.55	1.32	1.11	.99
94490CB	24MSWW3⊕	24	0.6	1.55	1.31	1.11	1.03
200715CB	283MSWW3⊕	28	0.3	1.69	1.43	1.19	1.07
40336CB	28MSWW3⊕	28	0.6	1.69	1.43	1.19	1.11
117057CB	32MSWW3⊕	32	0.6	2.19	1.99	1.79	1.49
94502CB	40MSWW3⊕	40	0.6	2.65	2.28	1.90	1.71
200723CB	48MSWW3⊕	48	0.6	2.99	2.69	2.39	2.15
200731CB	64MSWW3	64	0.9	2.59	2.37	2.15	1.96

Other Manufacturers — Great Deals

192831CB	224MSWW3	22	0.4	$.54	$.49	$.45	$.40
313656CB	24MSWW3⊕	24	0.6	1.19	1.05	.88	.79

SIMM Sockets

A Jameco EXCLUSIVE


100301CB

- Locking tabs
- Tinned contacts
- Memory module sockets • Keyed mounting posts

Part No.	Description	1	10	100	500
100301CB	Single x 30-pin, vert.⊕	$.59	$.53	$.42	$.32

Other Manufacturers — Great Deals

72531CB	Dual x 30-pin, vert.	$.20	$.099	$.09	$.082

PLCC Surface Mount Sockets

A Jameco EXCLUSIVE


152688CB

- Current: 1A
- Dielectric strength: 600VAC for 1 minute
- Insulator resistance: 5000MΩ minimum
- Temperature surface mount: -55˚C/ +170˚C

Part No.	Cross Ref. No.	Pins	1	10	50	100
152688CB	PLCC44D⊕	44	$.75	$.68	$.61	$.55
307951CB	850-68-99ST⊕	68	.86	.78	.69	.66

Other Manufacturers — Great Deals

152696CB	PLCC68D	68	$.34	$.31	$.28	$.26

.100" Non-Polarized Connector Housings & Crimp Pins

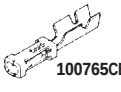
- Mates with 0.025" square post on pattern of 0.100" centers (male headers, see pg 133)
- Current rating: 1A • Pin material: brass/tin plated
- Pin wire gauge: 26-22 AWG • Plastic
- Temperature rating: -55°C to +105°C
- Use 159265CB pin crimper, pg 280 and 100765CB below

A Jameco EXCLUSIVE

✳ **Minimum order 10 pieces**

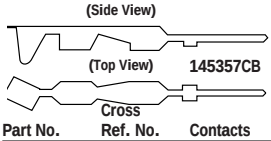
Single Row


103190CB


100765CB

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
100811CB	SCH2⊕	2 ✳	$.23	$.21	$.17	
157382CB	SCH3⊕	3 ✳	.24	.22	.18	
100802CB	SCH4⊕	4 ✳	.25	.23	.19	
163686CB	SCH5⊕	5 .30	.27	.25	.22	
103211CB	SCH6⊕	6 .34	.31	.27	.21	
103202CB	SCH8⊕	8 .39	.35	.29	.25	
103190CB	SCH10⊕	10 .42	.39	.36	.31	
103181CB	SCH20	20 .49	.45	.39	.35	
103157CB	SCH36	36 .49	.45	.39	.35	
100765CB	FCH1⊕	Female pin ✳	.14	.11	.07	
145357CB	MCH1	Male pin ✳	.15	.135	.12	

Double Row



145357CB


103253CB

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
103253CB	DCH8⊕	8 $.59	$.53	$.45	$.39	
157420CB	DCH10⊕	10 .69	.62	.55	.49	
157438CB	DCH14⊕	14 .73	.71	.69	.59	
103237CB	DCH16⊕	16 .79	.71	.64	.58	
103229CB	DCH20⊕	20 .99	.89	.79	.69	
157462CB	DCH40⊕	40 1.09	.99	.89	.75	
157471CB	DCH50⊕	50 .65	.59	.53	.48	
100765CB	FCH1⊕	Female pin ✳	.14	.11	.07	
145357CB	MCH1⊕	Male pin ✳	.15	.135	.12	

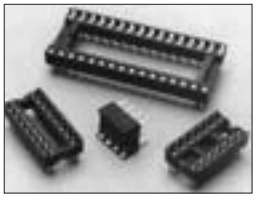
RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

DIP Sockets

500 & 800 Series
- Economy sockets
- Four-fingered

Crystal Oscillator
- Press fit
- Zero profile

Dual Leaf
- Glass filled thermoplastic
- "True Closed Bottom" socket positions



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See Our AMP DIP Socket Offering at www.Jameco.com/Prod/AMPDIPSockets

PLCC Socket Assemblies

- SMT and thru-hole contacts
- Normal and low insertion rates

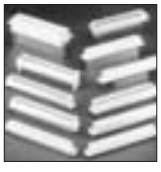


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EUROCARD™

Types R & C
- Right angle with solder posts
- With and without boardlocks



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AMPLATCH™ Ribbon Cable Connectors

Novo Receptacles
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- Preassembled
- Center and military polarized
- Keying plugs
- Lock injector hooks



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CHAMP™ Lok IDC Connectors

- Plug/screw lock
- Plug/bail lock
- Receptacle/screw or bail lock
- 50 position only



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Fiber Optic Connectors & Adapters

LC

Developed to meet the growing demand for small form factor, higher density fiber optic connectivity.

NEW ON THE WEB



LC

SC

The versatile Molex SC lightwave connector has been designed to NTT-SC standards & is completely compatible with other SC hardware.

SC Duplex

Designed to maintain fiber optic cabling polarity in the telecommunication and data communication networks.



SC Duplex

SC/APC

NTT compliant connector, combines connector design with a precise Angled Physical Contact (APC) ferrule.

MT-RJ

Small Form Factor duplex connector uses an MT type ferrule & industry standard RJ-45 type latch.

ESCON

High speed communication interconnect between mainframes and storage devices, peripheral control units and other networks.



ESCON

FC

Designed to NTT-FC standards and provides true non-optical disconnect performance.

FC/APC

Combines an NTT-FC connector design with a precise, pre-angled, pre-radiused & pre-polished ferrule.

ST

Specially designed for distribution applications and fully compatible with existing ST type hardware.

STII

Versatile coupling nut design, which allows the STII connector to provide either standard ST or non-optical disconnect functionality.

FDDI

Utilize a variable keying system to ensure proper port mating identification and polarity.



FC/APC

Bezel Adapter Accessories

Provides many advantages when deploying various fiber optic adapters on equipment front and/or back panels.

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See Our Complete Molex Fiber Optic Offering at www.Jameco.com/Prod/MolexFiberOptic

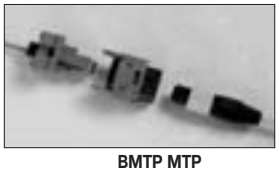
Fiber Optic Backplanes

HBMT™ MT

Utilizing a standard MT ferrule as the optical interface, the HBMT provides up to 96 fiber interconnects.

BMTP MTP

High density solution based on the NTT MT ferrule and MTP push-pull ribbon fiber connector.



BMTP MTP

BLC™ LC

Designed to provide a smooth transition from the active devices to the LC based fiber optic network.

BSC™/BSCII™ SC

Designed to provide a smooth transition from the active devices to the SC based fiber optic network.



BSC/BSCII SC

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30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 305.

Fiber Optic Accessories

MTP/MPO

Provide reliable high performance interconnects of up to 24 fibers in a small footprint.



SMC

LC Loopback

Provides a stable and convenient means for testing optical SFP (Small Form-factor Pluggable) and SFF (Small Form Factor) devices.

SMC

Provide reliable high performance interconnects of up to 12 fibers in a low profile footprint.

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Fiber Optic Adapters

MT-RJ to MT-RJ

- Suitable for single-mode/multimode MT-RJ plugs

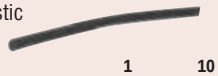


These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP Fiber Optic Connector Offering at www.Jameco.com/Prod/AMPFiberOptic

10' Fiber Optic Cable

- 1000µm core jacketed plastic fiber optic cable (10')



Part No.	Product No.	1	10
171272CB	IF-C-E1000	$6.95	$6.25

Smart Card Connectors



CCM01 - Full Size Friction

- 8 through hole or SMT contacts
- Normally closed blade or open sealed switch
- Snap-in board locks
- Space saving design

CCM02 - Full Size Landing

- Standard or narrow design
- 500,000 mating cycles
- Minimal contact wiping action

CCM03 - SIM/SAM Holder

- Fixed and hinged cover versions
- Insulated card detect or sealed switch option
- Up to 50,000 operations

CCM05 - Smartmedia™ SSFDC

- Single or dual voltage operation
- Four step sequence contact
- Write protect contact detection

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our C&K Connector Series Offering at www.Jameco.com/Prod/CKSmartCon

USB-A & B Connectors and Pins

1.0 and 2.0

A Jameco EXCLUSIVE



161023CB (USB-A) 174060CB (USB-B) 230965CB

174060CB: USB-A & B (2.0) Male Connector

- 3-part housing: tin plate over brass and glass fiber
- 4-pins (P/N 159724CC, see web) required per USB connector

161023CB/230957CB: USB-A & B (1.0 & 2.0) Female Connectors

- PC mount right angle with board locks

230965CB: Male Crimp Pin

- Pin for P/N 174060CB (4 required) • Contact: gold
- Use P/N 159265CB for crimping tool, pg 280

✳ **Minimum order 10 pieces**

Part No.	Description	1	10	100	1000
161023CB	USB-A 1.0 conn. (F) ⊕	$.79	$.69	$.62	$.56
174060CB	USB-B 2.0 conn. (M) ⊕	.79	.69	.62	.56
230957CB	USB-B 2.0 conn. (F) ⊕	.99	.85	.55	.42
230965CB	Crimp pin (M) for 2.0 ⊕ ... ✳	.125	.09	.065	

USB Connectors

- Wire to board connectors
- Series A & B
- 4-position • Right angle

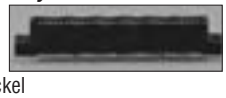


These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete AMP USB Series Offering at www.Jameco.com/Prod/AMPUSB

CARDCON Edge Connector

Commercial .100" Density DIP Solder & .156" Density DIP Solder/Solder Eyelet



- Contact material: spring brass
- Insulation: polyester
- Contact plating: gold/nickel
- Bifurcated Bellows contacts for added reliability
- Ideal for vibration or board irregularities

High Reliability .156" Density DIP Solder/Solder Eyelet



- Contact plating: gold/copper
- Insulation: Diallyl phthalate
- Contact material: phosphor bronze
- Bifurcated Bellows contacts for added reliability
- Ideal for vibration or board irregularities

High Reliability .156" Density Card Extender



- Solder terminations, double readout
- Contact plating: gold/nickel
- Insulation: Diallyl phthalate
- Contact material: Beryllium copper
- Patented bifurcated Bellows contacts for added reliability. Ideal for vibration or board irregularities

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete CARDCON Connector Series Offering at www.Jameco.com/Prod/CinchCardCon

.100" Low Profile Keyed Shrouded Header & Connector

CD-ROM 4-Pin Headers and Connector



152741CB 152725CB 152733CB

A Jameco EXCLUSIVE

- Voltage rating: 250V AC/DC
- Current rating: 3A AC/DC
- Insulation resistance: 1000MΩ min.
- Connector material: PBT, 30% glass
- Header material: PBT + 30% glass
- Withstanding voltage: 1000V AC/ 1 minute
- Pin material: tin-plated brass
- Recommended crimp tool P/N 99442CB, pg 280

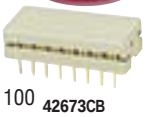
✳ **Prepackaged: order in increments of 10, 100 or 1000**

Part No.	Description	1	10	100	1000
152741CB	Straight header ⊕	$.45	$.39	$.35	$.29
152725CB	Right angle header ⊕	.55	.50	.45	.40
152733CB	Single w/ latch ⊕ †	.43	.37	.22	.16
181673CB	Female pins ⊕ ✳	.11	.08	.06	

† P/N 152733CB requires 4 pins (P/N 181673CB)

.100" IDC DIP Flat Cable Plugs

A Jameco EXCLUSIVE



42673CB

- Mates with standard 14, 16, 20, 24, 26, 28 & 40-pin DIP sockets with 0.1" spacing
- Plastic with gold-plated contacts
- Uses 28 AWG flat ribbon cable, pg 100
- Current rating: 1 amp

Part No.	Cross Ref. No.	Width	Contacts	1	10	100	500
42657CB	609-14 ⊕	0.3"	14	$.49	$.40	$.35	$.29
42673CB	609-16 ⊕	0.3"	16	.55	.45	.35	.30
104096CB	609-20 ⊕	0.3"	20	.69	.62	.55	.49
42690CB	609-24 ⊕	0.6"	24	.79	.71	.64	.59
99670CB	609-28 ⊕	0.6"	28	.89	.80	.72	.59
42711CB	609-40 ⊕	0.6"	40	1.15	1.05	.95	.85

Card-Edge Connectors

A Jameco EXCLUSIVE

- Fits all PC boards
- 0.054" to 0.070" thick

Solder Eyelet 0.140" Spacing Between Rows

- Contact centers: 0.156" • With mounting ears

Part No.	Position	Contacts	1	10	100
39116CB	22/44 ⊕	Gold	$2.95	$2.65	$2.38

Solder Tail 0.200" Spacing Between Rows

- Contact centers: 0.100"
- Without mounting ears



40694CB

Part No.	Position	Contacts	1	10	100
40694CB	31/62 ⊕	Tin (PC/AT)	$.93	$.82	$.65
42091CB	49/98	Tin (AT)	.89	.59	.39

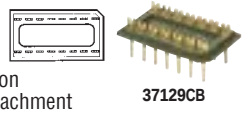


For Fiber Optic Kits, see page 300.

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

.100" DIP Header Plugs

- Gold-plated leads
- Header plugs: keyed corner to indicate pin 1
- U-shaped pin termination for easy component attachment
- Lead length: 0.188" • 0.1" spacing between leads



Part No.	Product No.	Width	Pins	1	10	100
104336CB	8HP⊕	0.3"	8	$.79	$.67	$.57
37129CB	14HP⊕	0.3"	14	1.19	.99	.89
37330CB	16HP⊕	0.3"	16	1.35	1.25	1.09
38578CB	20HP⊕	0.3"	20	1.49	1.35	1.19

PANAVISE IDC Bench Press and Cable Cutter

Designed for low to medium volume mass termination of various IDC connectors on flat ribbon cable.



Part No.	Prod. No.	Description	Wt. (lbs.)	1	10
27174CB	M505⊕	Bench press	7.0	$179.95	$159.95

M505 Accessories

27182CB	M507⊕	Cable cutter	0.9	$66.95	$61.95
27203CB	M510⊕	Base plate	0.5	26.49	24.95

JAMECO ValuePro .100" IDC Plug Connectors

Double Row

- 0.100" x 0.100" grid
- Plastic
- Shrouded header w/o mounting ears
- Contact: gold-plated phosphor bronze
- Use with IDC socket for connectors, right



Part No.	Cross Ref. No.	Contacts	1	10	100
29188CB	P40⊕	40	$1.95	$1.75	$1.49
29217CB	P50⊕	50	1.95	1.75	1.49

JAMECO ValuePro .100" Low-Profile Male Shrouded Headers

- Rating: 1A (max.) @ 250VDC
- Contact resistance: 15mΩ max.
- Features: UL recognized, CSA certified; 0.025" square post mates with sockets on 0.100" x 0.100" grid
- Contact: phosphor bronze, gold plated
- Use with IDC socket connectors, above



Straight Male Headers

Part No.	Description	1	10	100	1000
67811CB	10-pin⊕	$.39	$.35	$.32	$.28
68179CB	16-pin⊕	.44	.40	.35	.32
68291CB	20-pin⊕	.49	.47	.39	.23
68371CB	26-pin⊕	.54	.42	.35	.21
68582CB	34-pin⊕	.79	.65	.46	.31
181104CB	40-pin⊕	.75	.60	.45	.315

Other Manufacturers — Great Deals

Right Angle Male Header

Part No.	Description	1	10	100	1000
211182CB	26-pin⊕	$.22	$.20	$.18	$.17

E-mail us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

JAMECO ValuePro DIN and Mini DIN Plugs and Receptacles





- Solder barrels with strain relief • See pg 100 for cable

Part No.	Pins	Type	1	10	100
142279CB	4	Mini plug⊕	$.79	$.68	$.53
142261CB	6	Mini plug⊕	.89	.77	.59
177244CB	6	Mini receptacle⊕	.99	.85	.69
111878CB	8	Mini plug⊕	.99	.89	.74
177236CB	8	Mini receptacle⊕	1.09	.93	.69
15878CB	5	DIN plug⊕	.52	.47	.41
180873CB	5	DIN receptacle⊕	.52	.45	.34
15886CB	6	DIN plug⊕	.59	.50	.39
15894CB	8	DIN plug⊕	.65	.56	.43

JAMECO ValuePro DIN Female Sockets

- Metal body
- Panel mount with solder lugs

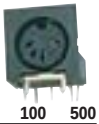


Part No.	Cross Ref.	# of pins	1	10	100	500
15843CB	DINJ5⊕	5	$1.29	$1.15	$1.05	$.79
15851CB	DINJ6⊕	6	1.39	1.25	1.15	.99
15860CB	DINJ8⊕	8	1.49	1.35	1.15	1.05

JAMECO ValuePro Right Angle DIN Female Sockets

- Set back: 0.5" • PC mount contacts

140792CB/119474CB: Plastic/metal body
29399CB: Plastic body



Part No.	Cross Ref. No.	# of pins	1	10	100	500
140792CB	MDR4S⊕	4 (mini)	$.69	$.59	$.46	$.34
119474CB	MDR6S⊕	6 (mini)	1.04	.91	.70	.53
29399CB	RD5⊕	5	.59	.53	.40	.36

Other Manufacturers — Great Deals

- Set back: 0.5" • PC mount contacts
- Plastic/metal body



Part No.	Cross Ref. No.	# of pins	1	10	100	500
140791CB	MDR4S⊕	4 (mini)	$.62	$.56	$.45	$.33
207722CB	MDS8100⊕	8 (mini)	.89	.80	.64	.48

JAMECO ValuePro PCB Centronics Connectors





- Solder-type contacts
- Space between rows: 0.164" • Metal body
- Space between pins: 0.1" • PC mount

Part No.	Description	1	10	100
72151CB	36-contact fem., rt angle⊕	$3.55	$3.19	$2.87
72080CB	50-contact fem., rt angle⊕	4.95	4.45	3.95

Other Manufacturers — Great Deals

Part No.	Description	1	10	100
159708CB	36-contact fem., straight...	$.53	$.48	$.44

JAMECO ValuePro IDC Centronics Connector

- Contact material: gold plated phosphor bronze; plastic casing
- Current rating: 1 amp
- Temp. rating: -55°C to +105°C
- Use 73251CB IDC crimping tool, pg 280



Part No.	Description	1	10	100
13848CB	36-pin male⊕	$1.75	$1.55	$1.39

Cinch Circular Mini DIN Connectors

Single-Ended Cable Assembly

- 6 or 8-pin male
- Molded-in strain relief
- Shield: steel with nickel
- Contact material: phosphor bronze
- Jacket over 28 AWG stranded wire



Plugs

- Plug components for cable termination

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Cinch Mini DIN Offering at www.Jameco.com/Prod/CinchMiniDIN

JAMECO ValuePro .100" (2.5mm) Female Header Receptacles

- Gold plated contacts
- 0.1" contact center



Right Angle Mount (Side Entry)

Part No.	Contacts	Type	1	10	100	500
71159CB	20⊕	Double row	$1.25	$1.10	$.99	$.85

Vertical Mount (Top Entry)



Part No.	Contacts	Type	1	10	100	500
70754CB	8⊕	Single row	$.59	$.53	$.43	$.35
200782CB	12⊕	Single row	.79	.59	.45	.42
308591CB	16⊕	Single row	.58	.48	.31	.243
308566CB	20⊕	Single row	.69	.57	.37	.289
70720CB	16⊕	Double row	.89	.79	.72	.65
70826CB	20⊕	Double row	1.09	.98	.88	.66
105056CB	30⊕	Double row	1.09	.98	.88	.74
111704CB	40⊕	Double (Tin)	1.29	1.15	.99	.89

Other Manufacturers — Great Deals

Part No.	Contacts	Type	1	10	100	500
454539CB	30⊕	Double row	$.99	$.89	$.80	$.67
163862CB	34⊕	Double row	1.05	.94	.85	.71

JAMECO ValuePro Centronics Parallel Interface Connector

Metal Body and Shell Solder-Type Contacts

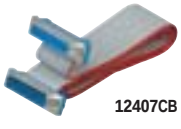
- Solder eyelets accept 24 AWG wire, pg 100
- Male cable plugs
- Complete with cable boot,shell and hardware



Part No.	Cross Ref. No.	Contacts	1	10	50
42382CB	57-30360⊕	36	$1.79	$1.59	$1.49

Ribbon Cable Assemblies

- Metal connector
- 300V rating
- 105°C rating
- 28 AWG flat cable
- Tin-plated contacts



Part No.	Description	1	10	100
12407CB	4' DB25 M-F⊕	$4.49	$3.95	$3.59
208581CB	6' DB9 M-F⊕	3.95	3.55	3.19

`R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

RoHS ℞ RoHS Compliant Product ⊕ RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

.100" & 2mm IDC Socket Connectors

Double Row
- Mates with 2 rows of .025"Sq. or Dia. posts on patterns of .100" centers (male headers, see below)
- Current rating: 1A
- Industry standard IDC socket (plastic)
- Temperature rating: -55°C to +105°C
- Use crimper P/N 73251CB, pg 280


32563CB

A Jameco EXCLUSIVE

Polarized IDC Socket Connectors

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
32491CB	S10⊕	10	$.29	$.25	$.19	$.15
153947CB	S14⊕	14	.32	.27	.21	.16
119466CB	S16⊕	16	.35	.29	.22	.17
32521CB	S20⊕	20	.39	.32	.25	.18
32563CB	S26⊕	26	.45	.35	.29	.19
32643CB	S34⊕	34	.49	.39	.35	.25
32678CB	S40⊕	40	.55	.45	.39	.29
100386CB	IDC440⊕	*44 (2mm)	.99	.89	.71	.53
32707CB	S50⊕	50	.65	.55	.45	.35
32758CB	S60⊕	60	.75	.68	.61	.50

*2mm pin spacing

Non-Polarized IDC Socket Connectors

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
138376CB	SN10⊕	10	$.35	$.32	$.28	$.24
138325CB	SN20⊕	20	.45	.40	.36	.28
138333CB	SN26⊕	26	.39	.35	.32	.24
138341CB	SN34⊕	34	.45	.40	.35	.28
138350CB	SN40⊕	40	.49	.45	.39	.29
138368CB	SN50⊕	50	.65	.59	.467	.35

.100" (2.5mm) Straight Male Headers


71829CB

With Standard Latch

A Jameco EXCLUSIVE

Double Row
- 0.1" contact center
- Mount vertical
- Keying slot
- Use with IDC socket connectors, above



Part No.	Description	1	10	100	500
117663CB	10-pin⊕	$1.29	$1.16	$.99	$.61
71829CB	20-pin⊕	1.39	1.25	1.13	.95
71933CB	26-pin⊕	1.49	1.25	.99	.89
72215CB	50-pin⊕	1.85	1.65	1.49	1.35

Internal Serial ATA, ATA-133 & Floppy Drive Cables


348736CB 348752CB 348795CB

7-Pin Round Serial ATA Cable

Part No.	Description	Length	1	10	25
348710CB	Red, 90°⊕	19.9"	$4.69	$4.11	$3.91
348736CB	Red, 180°⊕	39.4"	5.89	5.21	4.95

40-Pin ATA-133/IDE Cable

348752CB	Dual round, blue⊕	18"	$4.69	$4.27	$4.05
348787CB	Dual round, black⊕	24"	5.45	5.12	4.87

34-Pin Floppy Drive Cable

348795CB	Round, blue⊕	18"	$6.59	$6.59	$5.77
348816CB	Round, blue⊕	24"	7.69	7.21	6.85

.118"-Pitch ATX Power Connectors for Motherboards & Power Supplies

A Jameco EXCLUSIVE

- Voltage rating: 250V AC/DC • Current rating: 7A AC/DC • Temperature range: -25°C to 85°C
- Insulation resistance: 1000MΩ min. • Withstanding volt.: 1500V/min.

147379CB: ATX male 20-pin edge mount connector
- Material: nylon 66, UL-94VO
- Material of post: tin-plated brass • Diameter of post: 0.045"

147387CB: Housing connector • Material: nylon 66, UL-94VO

147395CB: ATX power terminal pins • Material: tin-plated brass


147379CB 147395CB 147387CB

✳ Minimum order 10 pieces

Part No.	Description	L	W	H	Dia	Use With	1	10	100	1000
147379CB	20-pin male connector⊕	1.7"	0.4"	0.6"	—	—	$.59	$.53	$.48	$.43
147387CB	20-pin housing connector⊕	1.7"	0.4"	0.8"	—	147395CB	.59	.53	.48	.43
147395CB	Power terminal pin, F⊕	0.59"	—	—	0.068"	147387CB	✳	.12	.11	.10

.098"-Pitch AT Power Connectors for Motherboards & Power Supplies

A Jameco EXCLUSIVE

- Voltage rating: 250V AC/DC • Current rating: 7A AC/DC • Temperature range: -25°C to 85°C
- Insulation resistance: 1000MΩ min. • Withstanding volt: 1500V/min.

78300CB: AMP60G male 6-pin PCB mount connector
- Material of post: tin-plated brass • Diameter of post: 0.09"

78326CB: AMP50G female 6-pin housing connector • Material: nylon

78318CB: AMP501T terminal pin • Material: tin-plated brass


78300CB 78318CB 78326CB

✳ Minimum order 10 pieces

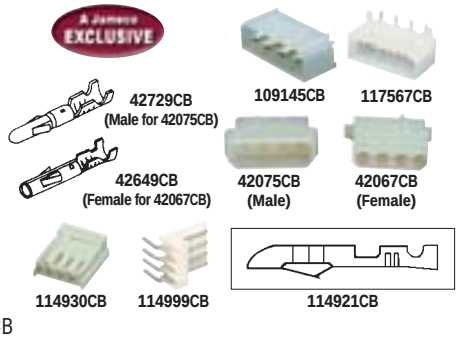
Part No.	Description	L	W	H	Dia	Use With	1	10	100	1000
78300CB	6-pin male connector⊕	0.93"	0.37"	0.57"	—	—	$.45	$.39	$.35	$.31
78326CB	6-pin housing connector⊕	0.94"	0.25"	0.74"	—	78300CB	.35	.31	.28	.25
78318CB	Power terminal pin, F⊕	0.69"	—	—	0.09"	78326CB	✳	.11	.08	.07

Power Connectors and Pins

Connector & Housing Specifications:
- Voltage rating: 250VAC (Mate-N-Lock 600VAC)
- Operating temperature: -55°C to +105°C

Crimp Pin Specifications:
- Material: tin plated brass • Current rating: 1.5 amps
- Wire size range: 18-24 AWG
- Use crimp tool P/N 99442CB, pg 280
- **Minimum order 10 pieces**

A Jameco EXCLUSIVE


42729CB (Male for 42075CB) 109145CB 117567CB
42649CB (Female for 42067CB) 42075CB (Male) 42067CB (Female)
114930CB 114999CB 114921CB

For 5.25" Disk Drives and Power Supplies

42075CB & 42067CB Connector Housings:
- 0.200" pitch
- Keyed mating connectors
- External key bar indicates pin 1
- See pg 283 for extraction tools, 131887CB & 131879CB

Part No.	Description	10	100	1000
109145CB	4-pin M vert. PCB mtg⊕	$.65	$.59	$.53
117567CB	4-pin M PCB mounting, horizontal edge mount⊕	.85	.72	.65
42075CB	4-pin M housing⊕	.12	.11	.10
42067CB	4-pin F housing⊕	.20	.15	.13
42729CB	M crimp pin for 42075CB⊕	.10	.07	.06
42649CB	F crimp pin for 42067CB⊕	.10	.07	.06

For 3.5" Disk Drives and Power Supplies

- 0.100" pitch

Part No.	Description	10	100	1000
114930CB	4-pin F housing⊕	$.19	$.17	$.15
114921CB	F crimp pin for 114930CB⊕	.11	.095	.08

Part No.	Description	1	100	1000
114999CB	4-pin M rt. angle PCB mtg⊕	$.35	$.31	$.28



Committed To You

We're committed to providing you with the best service in the industry.

℞ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Slim-Line D-Sub Gender Changers

A Jameco Exclusive



For Confined Applications!

These revolutionary slim-line gender changers are only 0.69" wide, eliminating the space problems caused by standard gender changers. When plugged into your existing cable, they add only 0.44" to the cable. All-metal cases.

- Captive locking screw (male)
- Captive locking nut (female)
- Grounding tangs (male) • Tin plated shells

Part No.	Description	1	10	100
18497CB	9-pin male to male ⊕	$4.95	$4.49	$3.99
18489CB	9-pin female to female ⊕	4.95	4.49	3.99
56071CB	15-pin male to male ⊕	3.95	3.49	2.95
56063CB	15-pin female to female ⊕	3.95	3.56	3.19
119319CB	15-pin female to female HD ⊕	4.75	4.28	3.84
119301CB	15-pin male to male HD ⊕	5.25	4.76	4.19
326537CB	15-pin M-F (pass through) ⊕	2.25	1.91	1.43
18446CB	25-pin male to male ⊕	4.95	4.49	3.99
18420CB	25-pin female to female ⊕	4.95	4.49	3.99
170085CB	25-pin M-F (pass through) ⊕	2.95	2.65	2.35

D-Sub 9-Pin to 25-Pin Serial Adapters

A Jameco Exclusive

10321CB: For PC/XT systems with DB25 serial ports.
139985CB: gold-plated contacts, extra long thumbscrews



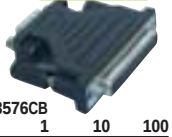
Part No.	Description	1	10	100
10321CB	DB9 M to DB25 F ⊕	$4.49	$3.79	$3.19
189632CB	DB9 M to DB25 M ⊕	3.49	3.15	2.85
139985CB	DB9 F to DB25 F ⊕	3.95	3.55	3.19

Other Manufacturers — Great Deals

D-Sub 9-Pin to 25-Pin Serial Adapters

10305CB: For use in AT or other computer systems that have 9-pin D-sub serial ports.
163740CB/153576CB: For PC/XT systems with DB25 serial ports.

Quantity SAVE



Part No.	Description	1	10	100
10305CB	DB9 F to DB25 M	$3.15	$2.69	$1.99
163740CB	DB9 M to DB25 F, thumbscrews on DB9 side only	2.55	2.19	1.65
153576CB	DB9 M to DB25 F, thumbscrews on DB25 side only	3.55	2.99	2.25

Full Handshaking Null Modem Adapters

A Jameco Exclusive

Self-contained null-modem (cross-over) adapters. Change any standard straight cable intoa null cable quickly and easily.



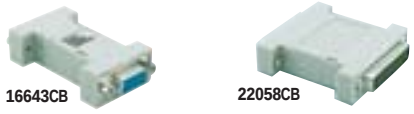
Internal pin configuration:

17224CB: 1-1, 2-3, 3-2, 4-5, 5-4, 6-20, 20-6, 7-7, 8-20
26243CB: 1-1, 2-3, 3-2, 4-8, 8-4, 5-8, 8-5, 6-20, 20-6, 7-7

Part No.	Description	1	10	100
26243CB	DB25 M to DB25 F ⊕	$3.95	$3.65	$3.49
17224CB	DB25 F to DB25 F ⊕	3.49	2.95	2.49

Standard D-Sub Gender Changers

A Jameco Exclusive



- Standard 9 and 25-pin D-sub male and female gender changers for interfacing two cables or connectors of the same gender

Part No.	Description	1	10	100
16635CB	D-sub 9-pin male ⊕	$1.95	$1.75	$1.49
16643CB	D-sub 9-pin female ⊕	1.95	1.75	1.49
22058CB	D-sub 25-pin male ⊕	1.95	1.49	1.05
22074CB	D-sub 25-pin female ⊕	1.99	1.79	1.65

Keyboard Adapters



159089CB/189771CB: AT keyboard adapter
- Connects PS/2 keyboard to AT
- 6-pin female mini DIN to 5-pin male DIN

159097CB: PS/2 keyboard adapter
- Connects AT type keyboards to the PS/2
- 5-pin female DIN to 6-pin male mini DIN (PS/2)

A Jameco Exclusive

316831CB: USB to PS/2 keyboard adapter
- USB-A female to PS/2 male

Part No.	Length	Housing	1	10	100
159089CB	1.6"	Metal ⊕	$2.95	$2.65	$2.39
159097CB	1.4"	Metal ⊕	2.95	2.65	2.39
189771CB	1.7"	Plastic ⊕	2.95	2.65	2.39
316831CB	2.0"	Plastic ⊕	1.79	1.59	1.39

Other Manufacturers — Great Deals

PS/2 Keyboard Adapter



- Connects AT type keyboards to the PS/2
- 5-pin female DIN to 6-pin male mini DIN (PS/2)

Part No.	Length	Housing	1	10	100
157930CB	1.7"	Plastic/metal	$2.65	$2.25	$1.69

PS/2 – USB Adapter

This adapter allows you to use your PS/2 compatible mouse and keyboard as USB compatible devices.



NEW

- USB - A Male to two PS/2 female connectors
- Color coded PS/2 connectors for keyboard & mouse

Part No.	Length	Housing	1	10	25
645351CB	13"	USB adapter ⊕	$12.35	$11.75	$11.15

Dual PS/2 Adapter

Converts a dual PS/2 female to a single PS/2 male.
- Size: 1.9"L x 1.2"W



Part No.	Description	1	10	100
319791CB	PS/2 adapter ⊕	$2.75	$2.59	$2.45

Free Technical Support

Our knowledgeable Tech Support Department is ready to answer your questions.
Just call us at 1-800-831-4242.

Computer Card Brackets



- For securing cards into bus slots
- Fits standard PC/XT/AT cases
- Length: 4.75"
- See pg 118 for DB connectors

Quantity SAVE

Part No.	Description	Fig.	1	10	100
11754CB	Blank back panel ⊕	1	$1.79	$1.59	$1.45
101717CB	For DB9 connector ⊕	2	1.79	1.59	1.45
101733CB	For DB25 connector ⊕	3	1.79	1.52	1.14
101741CB	For DC37 connector ⊕	4	1.79	1.52	1.14
101830CB	For DB9/DB25 conn. ⊕	5	1.79	1.59	1.45

Panel Bracket Cable Assemblies

- Standard computer back panel brackets
- Length: 12"
- Ribbon cable with header connector



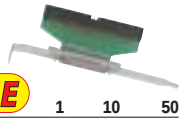


355688CB: 1 serial port
149614CB: 2 serial ports
149622CB: 1 parallel port
179995CB: 1 parallel & 2 serial ports

Quantity SAVE

Part No.	Description	1	10	25
355688CB	DB9 to 10-pin header ~~$2.99~~	$2.25	$2.00	$1.85
149614CB	⊕DB9M to 10-pin header DB25M to 10-pin header ~~$4.95~~	2.79	2.37	1.78
149622CB	⊕DB25 to 26-pin header	2.79	2.51	2.26
179995CB	DB9M to 10-pin header DB25M to 10-pin header DB25F to 26-pin header	1.39	1.16	.84

SCSI Adapter



- See below for SCSI-type connector guide

SALE

Part No.	Description	1	10	50
125241CB	50-pin ribbon header to HPDB50 SCSI-II female	$9.95	$8.45	$6.35

SCSI Type / Connector Reference Table

SCSI type	DB25	50-pin Centronics	50-pin Header	Half pitch DB50	Half pitch DB68	VHD68 Centronics	VHD80 Centronics
SCSI-I	✔	✔	✔				
SCSI-II			✔	✔			
SCSI-II wide					✔		
SCSI-III					✔	✔	
RAID: SCA, SCA-2							✔

AT-to-PS/2 and PS/2-to-AT Keyboard Adapter Cables

28003CB/319783CB:
- Connects AT-type keyboards to PS/2
- 5-pin female DIN to 6-pin male mini DIN



310789CB:
- Connects PS/2 keyboard to AT
- 6-pin female mini DIN to 5-pin male DIN connectors

Part No.	Length	Color	1	10	100
319783CB	4.5"	Black	$2.45	$2.19	$1.99
28003CB	⊕6.5"	Beige	3.95	3.49	3.15
310789CB	⊕7.5"	Beige	3.95	3.49	3.15

✔ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

BNC Connectors and Adapters

- Frequency range: 0-4GHz
- Working voltage: 500V
- Contact plating: silver/gold
- Body plating: nickel/tin-lead
- Cable type:
  223360CB: RG55/141/142/223/400
  223394CB: RG59/62/71/140/210/302
  223474CB: RG59/62/140/210, Belden 8241/8263/8279/9209
  223693CB: RG5/9/87A/214/313/325

✪ Blue Part No. = Limited Quantity Available


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig. 12

Part No.	Product No.	Fig.	Industry No.	Description	1	10	25
223431CB	31-202⊕	1	UG-88C/U	50Ω plug, straight, solder cup	$4.35	$3.69	$2.65
223360CB	31-5	2	UG-89/U	50Ω jack, straight, clamp/solder	5.05	4.54	3.35
223458CB	31-208	3	UG-274A/U	50Ω T-adapter, jack-plug-jack	8.59	6.59	6.49
223394CB	31-12	4	UG-260/U	50Ω plug, straight, clamp	7.29	5.54	5.14
223474CB	31-212	4	UG-260B/U	50Ω plug, straight, clamp/solder	4.19	3.21	2.95
223415CB	31-17⊕	5	CW-159/U	50Ω male shorting cap	6.09	5.73	4.36
223440CB	31-203⊕	6	UG-290A/U	50Ω receptacle, straight/flange, solder cup	7.25	5.73	4.24
223482CB	31-218⊕	7	UG-491A/U	50Ω in-series adapter, plug-plug	8.35	6.99	6.09
223491CB	31-219⊕	8	UG-914/U	50Ω in-series adapter, jack-jack	4.55	4.22	3.15
223554CB	31-3220⊕	9	UG-492D/U	50Ω bulkhead adapter, straight, jack-jack	10.25	8.83	7.19
223511CB	31-221⊕	10	UG-1094/U	50Ω bulkhead receptacle, straight, solder cup	3.15	2.43	1.75
223538CB	31-2221⊕	11	UG-1094A/U	50Ω bulkhead receptacle, straight, solder cup	2.89	2.48	1.81
223520CB	31-236⊕	10	UG-625B/U	50Ω bulkhead receptacle, straight, pin/pin	3.15	2.52	1.86
223693CB	6775 ✪	12	UG-959/U	50Ω straight plug, clamp/solder	12.59	9.56	8.54

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/AmphenolBNC

UHF Connectors and Adapters

- Frequency range: 0-300MHz
- Working voltage: 500V
- Contact plating: nickel & silver
- Cable type: **223600CB/223677CB**: RG8/9/87A/214/313/225

✪ Blue Part No. = Limited Quantity Available


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5

Part No.	Product No.	Fig.	Industry No.	Description	1	10	25
223562CB	83-1AP	1	UG-646/U	In-series right angle adapter, jack-plug	$8.15	$7.59	$6.16
223589CB	83-1J	2	PL-258	In-series straight adapter, jack-jack	9.69	7.12	5.59
223837CB	83-1T ✪	3	M-358	In-series T-adapter, jack-plug-jack	11.25	8.65	6.55
223597CB	83-1R⊕	4	SO-239	Panel receptacle, solder cup, PBT polyester insulator	3.09	2.49	2.41
223600CB	83-1SP⊕	5	PL-259	Straight plug, solder, diallyl phthalate insulator	3.65	2.81	2.52
223677CB	83-822⊕	5	PL-259	Straight plug, solder, TFE insulator	3.95	3.02	2.73

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/AmphenolUHF

RF Adapters

RF Coaxial Adapters

- In-series
- Commercial plugs
- Straight adapters

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



To Find Additional Products In This Series, Visit www.Jameco.com/Prod/AmphenolRF

BNC 50Ω Cable Plugs

BNC 3-Piece

- Silver-plated
- Frequency range: 0-4GHz with low reflection
- Attachment (outer/inner): crimp/crimp

188306CB: RG58/184
188349CB: RG174/188/316


188306CB


188349CB

Part No.	Product No.	1	10	25
188306CB	31-320-RFX⊕	$1.49	$1.26	$1.03
188349CB	31-315-RFX⊕	1.89	1.63	1.22

BNC Adapters


188411CB


188429CB


188402CB

- Frequency range: 0-4GHz with low reflection

188411CB: Straight jack-to-jack
188429CB: Jack-plug-jack
188402CB: Gasketed jack-to-jack

Part No.	Product No.	1	10	25
188411CB	31-219-RFX⊕	$2.99	$2.66	$1.99
188429CB	31-208-RFX⊕	4.19	3.39	2.65
188402CB	31-220G-RFX⊕	4.15	3.69	2.52

Type N Crimp Plug

- Silver-plated
- RG58/141
- Attachment (outer/inner): crimp/crimp



Part No.	Product No.	1	10	25
188445CB	82-5375-RFX⊕	$5.15	$4.35	$2.96

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/AmphenolN

SMA Brass Plug

- Frequency range: 0-18GHz
- Outer cable attachment: crimp
- Inner cable attachment: solder
- Construction: captive contact
- Type: crimp plug
- For RG174/U, RG188/U, and RG316/U cables



Part No.	Product No.	1	10	25
188488CB	901-9877-RFX⊕	$3.45	$2.99	$2.39

SMA PCB Jacks

- Application: cellular phone, data communication, instrumentation, and video
- 50Ω impedance
- Frequency range: 0-18GHz
- Temperature range: -65˚C to 165˚C


188509CB


188525CB

Part No.	Product No.	1	10	25
188509CB	901-144-8-RFX⊕	$3.25	$2.73	$2.35
188525CB	901-143-6-RFX⊕	5.19	4.20	3.65

Order Anytime, Day or Night

Our friendly sales department will take your order 24x7x365 by phone, fax, web or email.

℞ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

BNC Connectors and Adapters


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig. 12

Part No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
355098CB	31-2 ⊕	1	UG-88/U	50Ω BNC plug, clamp, for RG-58 /141/142/400 cables	$3.59	$2.75	$2.55
311343CB	31-10-RFX ⊕	2	—	50Ω BNC jack, bulkhead	1.89	1.83	1.78
355101CB	31-202 ⊕	1	UG-88C/U	50Ω BNC plug, clamp, for RG-55/58/141/142/223/400 cables	3.59	3.07	2.23
355119CB	31-203 ⊕	3	UG-290A/U	50Ω BNC receptacle, panel mount, solder cup	5.65	4.42	3.28
355127CB	31-208-RFX ⊕	4	UG-274A/U	50Ω BNC T-adapter, jack-plug-jack	3.29	2.81	1.92
355135CB	31-212 ⊕	1	UG-260B/U	50Ω BNC plug, clamp, for RG-59/62/71/140/210/302 cables	3.49	2.67	2.48
363961CB	31-218 ⊕	5	UG-491A/U	50Ω BNC straight adapter, plug-plug	7.69	5.91	4.88
355151CB	31-219-RFX ⊕	6	UG-914/U	50Ω BNC straight adapter, jack-jack	2.49	2.21	1.68
363979CB	31-220G-RFX ⊕	7	—	50Ω BNC bulkhead adapter, jack-jack	2.75	2.47	1.69
355362CB	6775 ⊕	1	UG-959/U	50Ω BNC plug, clamp/solder, for RG-8/9/87A/213/214/225	8.09	7.99	7.28
311319CB	68175-5RFX ⊕	9	—	50Ω BNC 3-pc plug for crimp RG-59	1.15	.98	.80
311327CB	69475 ⊕	1	—	50Ω BNC plug, clamp for RG-174/179/187/188/316	6.05	5.18	3.56
311351CB	31-220N-RFX ⊕	7	—	50Ω BNC bulkhead adapter, jack-jack	2.99	2.71	2.46
355178CB	31-221 ⊕	8	UG-1094/U	50Ω BNC bulkhead receptacle w/ grounding lug, solder cup	2.09	1.79	1.65
311378CB	31-315 ⊕	9	—	50Ω BNC 3-pc cable crimp plug, for RG-174 cables	4.49	3.82	3.19
355215CB	31-315-RFX ⊕	10	—	50Ω BNC 3-pc plug, crimp, for RG-174/U; RG-188A/U; RG-316/U cables	1.55	1.49	1.39
355223CB	31-318-RFX ⊕	11	—	50Ω BNC bulkhead jack, for RG-174/188/316 cables	2.95	2.75	2.22
355240CB	31-320-RFX ⊕	10	—	50Ω BNC 3-pc plug, crimp, for RG-58/141 cables	1.32	1.25	1.23
311394CB	31-321 ⊕	12	—	50Ω BNC 3-pc cable crimp plug, for RG-59 cables	4.49	3.48	2.79
311408CB	31-321-RFX ⊕	12	—	50Ω BNC 3-pc cable crimp plug, for RG-59 cables	1.35	1.29	1.07
355258CB	31-2221 ⊕	13	UG-1094A/U	50Ω BNC bulkhead receptacle, solder cup	2.39	2.06	1.52
311511CB	31-70000 ⊕	14	—	75Ω 3-pc plug, crimp, RG-6 type, Belden 9248/1694A	4.19	3.49	3.07
311520CB	31-70008-1000	14	—	75Ω BNC 3-pc plug, crimp, for RG-59/62 cables, Belden 8241/8263/8279/9209 cables	5.85	4.48	3.49
311538CB	31-71000-RFX ⊕	15	—	75Ω BNC 3-pc plug, crimp, for RG-6 type 0.295" O.D. cables, Belden 9248/1694A cables	1.89	1.78	1.37
311546CB	31-71008-RFX ⊕	16	—	75Ω BNC 3-pc plug, crimp, for RG-59/62 cables, Belden 8241/8263/8279/9209 cables	1.42	1.29	1.18
311554CB	31-71013-RFX ⊕	17	—	75Ω BNC plug, crimp, for RG-179/187 cables	1.55	1.36	1.05
311562CB	31-71014-RFX ⊕	18	—	75Ω BNC jack, crimp, for RG-179/187 cables	1.75	1.69	1.49
311571CB	31-71032 ⊕	19	—	75Ω BNC 3-pc plug, crimp, for Belden 8281/88281 cables	3.05	2.62	2.08
311589CB	31-71033 ⊕	20	—	75Ω BNC 3-pc plug, crimp, for Belden 8218 cables	3.75	3.41	3.10


Fig. 13


Fig. 14


Fig. 15


Fig. 16


Fig. 17


Fig. 18


Fig. 19


Fig. 20

TNC Type Connector

Part No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
311415CB	31-2367-RFX ⊕	21	—	50Ω TNC plug, crimp-crimp, for RG-58/141 cables	$1.35	$1.29	$1.07


Fig. 21

Type N Connectors

Part No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
311600CB	82-97-RFX ⊕	22	UG-58A/U	50Ω Type N receptacle jack, panel mount	$3.59	$2.56	$2.31
311618CB	82-202-1006 ⊕	23	—	50Ω Type N clamp plugs, for B9913/Amp TWB 4001 cables	6.59	4.97	4.07


Fig. 22


Fig. 23

SMA Connectors

Part No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
355282CB	901-143-6RFX ⊕	24	—	50Ω SMA jack, right angle, PC mount	$4.35	$3.85	$3.60
355291CB	901-9876-RFX ⊕	25	—	50Ω SMA plug, crimp, for RG-58C/U; RG58/U cables	2.55	2.21	1.80
355303CB	901-9877-RFX ⊕	26	—	50Ω SMA plug, crimp, for RG-174/U; RG-188A/U; RG-316/U cables	2.55	2.21	1.80


Fig. 24


Fig. 25


Fig. 26

MMCX Connector

Part No.	Cross Ref. No.	Fig.	Industry No.	Description	1	10	25
311686CB	908-43200 ⊕	27	—	50Ω MMCX right angle plug, crimp for RG-178/U cables	$6.35	$5.15	$4.97
311693CB	904-43300 ⊕	27	—	50Ω MMCX right angle plug, crimp for RG-174/188/316	7.09	6.29	5.59


Fig. 27

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend
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We carry major manufacturers – call for OEM PRICING.

BNC Coax Connectors

JAMECO ValuePro — A Jameco EXCLUSIVE

- Miniature, lightweight units designed to operate up to 11GHz and typically yield low reflection up to 4GHz


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10

Part No.	Fig.	Description	1	10	100	500
71458CB	1	BNC male terminator (50Ω) ⊕	$1.55	$1.15	$.99	$.89
71790CB	1	BNC male terminator (75Ω) ⊕	1.35	1.09	.89	.73
135618CB	2	BNC male with pin and ferrule (RG6) ⊕	.89	.69	.45	.39
71482CB	2	BNC male with pin and ferrule (RG58) ⊕	1.65	1.49	1.35	1.25
71271CB	2	BNC male with pin and ferrule (RG59/62) ⊕	.81	.66	.59	.54
112109CB	2	BNC male with pin and ferrule (RG174) ⊕	1.59	1.45	1.29	1.15
119394CB	3	BNC male clamp-on (RG59/62) ⊕	1.39	1.25	1.15	.89
108994CB	4	BNC male twist-on (RG58) ⊕	1.49	1.35	1.19	.95
71781CB	4	BNC male twist-on (RG59/62) ⊕	1.09	.99	.89	.79
71589CB	5	BNC female panel mount (UG-1094A) ⊕	1.49	1.35	1.25	1.09
71909CB	6	BNC female/female coupler (UG-914) ⊕	1.29	.99	.85	.74
127343CB	7	BNC male/male coupler (UG-491B/U) ⊕	1.99	1.79	1.39	1.29
111561CB	8	BNC female isolated bulkhead ⊕	2.29	1.99	1.79	1.59
148224CB	9	BNC female bulkhead feed-thru. ⊕	1.99	1.79	1.59	1.39
148232CB	9	BNC female isolated bulkhead feed-thru ⊕	2.49	2.25	1.79	1.35
127351CB	10	BNC M-F right angle (DG-306B/O) ⊕	2.49	2.19	1.85	1.59
160928CB	11	BNC female, crimp type (RG58) ⊕	1.25	1.09	.99	.89
161921CB	11	BNC female, crimp type (RG174) ⊕	1.49	1.35	1.19	1.05
174289CB	12	BNC female chassis mount ⊕	1.19	.98	.88	.79
174297CB	13	BNC female twist-on bulkhead ⊕	2.25	2.02	1.62	1.22
174254CB	14	BNC male to F connector female ⊕	1.99	1.59	1.45	1.19
207183CB	15	BNC male to RG58/59 crimp on	3.99	3.59	2.89	2.15


Fig. 11


Fig. 12


Fig. 13


Fig. 14


Fig. 15

BNC PCB Connectors

JAMECO ValuePro — A Jameco EXCLUSIVE

- Maintains matching impedance at 50Ω & 75Ω
- Ideal for LAN cards & precision video

Part No.	Description	Length (L)	1	10	100	500
146510CB	BNC female R/A plastic insulation ⊕	1.37"	$1.95	$1.75	$1.49	$1.25
161656CB	BNC female right-angle metal ⊕	.861"	2.29	1.99	1.79	1.59

146510CB



161656CB



Other Manufacturers — Great Deals

- Length: 0.830"

Part No.	Description	1	10	100	500
210884CB	BNC female straight/panel mount metal	$1.35	$1.20	$1.09	$.99



BNC Male Coax Cables

JAMECO ValuePro


181307CB


152311CB

A Jameco EXCLUSIVE

RG6 75Ω Cables

Part No.	Description	1	10	50	100
176794CB	3' BNC to BNC ⊕	$3.95	$3.55	$3.19	$2.89
176815CB	6' BNC to BNC ⊕	4.95	4.49	4.05	3.35

RG58/U 50Ω Cables

- For Ethernet networks, oscilloscopes

Part No.	Cross Ref. No.	Length (ft.)	1	10	50	100
181307CB	CRG58-1RR ⊕	1	$3.65	$3.29	$2.95	$2.75
102314CB	CRG58-1 ⊕	1.5	3.99	3.39	2.87	2.15
256743CB	CBB-224-24 ⊕	2	4.15	3.69	3.32	2.99
11404CB	CRG58-3 ⊕	3	4.29	3.89	3.49	3.15
102331CB	CRG58-6 ⊕	6	4.39	3.99	3.59	3.19
152311CB	RG58MF-6 ⊕ *	6	2.95	2.66	2.12	1.59
180822CB	CRG58-10 ⊕	10	4.49	3.99	3.40	2.99
102349CB	CRG58-12 ⊕	12	4.95	4.49	3.99	3.39
169818CB	CRG58-15 ⊕	15	5.95	5.36	4.66	4.34
102381CB	CRG58-100 ⊕	100	13.49	12.14	9.71	7.28

*152311CB has male & female coax

Other Manufacturers

102357CB	CRG58-25 ⊕	25	$6.49	$5.84	$5.26	$4.75
102365CB	CRG58-50 ⊕	50	9.49	8.54	6.83	5.12
319644CB	205-5100 ⊕	100	13.09	11.89	9.52	7.13

RG59/U 75Ω Cables

- For CATV and video patch cords


85542CB

Part No.	Cross Ref. No.	Length (ft.)	1	10	50	100
86471CB	CRG59-1 ⊕	1.5	$2.99	$2.69	$2.45	$2.19
85542CB	CRG59-6 ⊕	6	3.75	3.38	3.04	2.56
102373CB	CRG59-12 ⊕	12	5.49	4.95	4.45	3.99
262730CB	EBC-525	25	9.95	8.95	8.05	7.25
262748CB	EBC-550	50	17.05	16.25	15.45	14.69
262764CB	EBC-510	100	30.39	28.89	27.45	25.99

RG174/U 50Ω Cables

- For Ethernet networks, oscilloscopes

Part No.	Cross Ref. No.	Length (ft.)	1	10	50	100
111472CB	RG174U3 ⊕	3	$3.85	$3.49	$3.15	$2.85
111481CB	RG174U6 ⊕	6	4.59	4.15	3.75	3.35

BNC Adapters

JAMECO ValuePro — A Jameco EXCLUSIVE

- Silver-plated
- General purpose coax T-adapter
- ThinNet/Ethernet LAN adapter

Part No.	Description	1	10	100	500
118594CB	Male to female/female T-adapter ⊕	$2.39	$2.15	$1.75	$1.25
207095CB	Female to male/male T-adapter ⊕	6.99	6.25	5.59	4.99
72629CB	Female to female/female T-adapter ⊕	2.49	2.25	1.99	1.69
207087CB	Female to male/female T-adapter ⊕	9.95	8.95	6.45	5.39
100597CB	Male to female/female T-adapter (180°) ⊕	5.99	5.39	4.85	3.99
207116CB	Male to female/female/female T-adapter ⊕	7.19	6.45	5.79	4.95
117461CB	Male to female/female F-adapter (90°) ⊕	4.29	3.89	3.49	2.99
207124CB	Male/male to female/female T-adapter	4.49	4.05	3.25	2.45
207167CB	RCA female to BNC female ⊕	1.99	1.79	1.59	1.39
114788CB	RCA female to BNC male adapter ⊕	1.35	1.05	.99	.98
207175CB	RCA male to BNC male ⊕	1.99	1.79	1.59	1.39
114753CB	RCA male to BNC female adapter ⊕	1.59	1.45	1.29	1.09
114770CB	BNC female to "F" connector male adapter ⊕	1.79	1.59	1.39	1.19
207141CB	3.5mm mono male to BNC female ⊕	1.69	1.49	1.27	.95


118594CB


207095CB


72629CB


207087CB


100597CB


207116CB


117461CB


207124CB


207167CB


114788CB


207175CB


114753CB


114770CB


207141CB

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

75Ω "F" Connectors/Adapters/Terminators


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6

Part No.	Cross Ref No.	Fig.	Description	1	10	50	100
291581CB	200-016⊕	1	Perma-seal, RG-59 coax	$.69	$.59	$.55	$.49
291531CB	200-028⊕	1	Perma-seal, RG-6 coax	.69	.59	.55	.49
291709CB	200-050⊕	2	F-jack to jack (nickel)	.65	.55	.475	.38
291725CB	200-051⊕	2	F-jack to jack (gold)	.95	.85	.79	.75
295371CB	200-053⊕	3	F-panel mount jack to jack (nickel)	.65	.55	.475	.38
295380CB	200-107⊕	4	F-R/A jack to plug (nickel)	1.59	1.39	1.16	.95
295451CB	200-075⊕	5	F-plug terminator (75Ω)	.55	.45	.35	.25
309657CB	200-045⊕	6	RCA female to F male adapter	1.75	1.35	.97	.87

75Ω "F" Connectors


289828CB (Fig. 1)


289916CB (Fig. 2)


290001CB (Fig. 3)


289924CB (Fig. 4)

Part No.	Cross Ref No.	Fig.	Description	1	10	50	100
289828CB	200-030⊕	1	RG-59 crimp-on nickel plated	$.22	$.20	$.17	$.14
289908CB	200-031⊕	1	RG-59 crimp-on gold plated	.45	.43	.41	.39
289887CB	200-035⊕	2	RG-6 crimp-on nickel plated	.22	.20	.17	.14
289916CB	200-036⊕	2	RG-6 crimp-on gold plated	.45	.43	.41	.39
290001CB	200-039⊕	3	RG-6 twist-on nickel plated	.79	.69	.45	.32
289975CB	200-040⊕	3	RG-59 twist-on nickel plated	.79	.69	.45	.32
289924CB	200-038⊕	4	RG-6 crimp-on weatherproof seal, brass	.69	.59	.49	.39
314510CB	200-024⊕	4	RG-6 crimp-on weatherproof seal	.55	.46	.37	.33

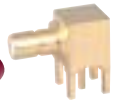
SMB Connectors


172363CB 172371CB

- For use with RG-174 coax
- 50Ω crimp type • Gold plated
- Use with crimping tool P/N 114534CB, pg 279

Part No.	Description	1	10	50
172363CB	Bulkhead crimp jack⊕	$3.49	$2.95	$2.49
172371CB	Cable crimp plug⊕	4.29	3.89	3.49

SMB PCB Connector



- 0-4GHz electrical performance
- Gold plated brass
- Insulation: teflon
- Contact: beryllium copper

Part No.	Description	1	10	50
167311CB	Right angle PCB⊕	$4.45	$3.89	$3.25

SMA Connectors, Adapters and Couplers


157972CB 153365CB 145381CB 145373CB


153285CB 159530CB

- Application: cellular phone, data communication, instrumentation, and video
- Frequency range: 0-18GHz • 50Ω impedance
- Temperature range: -65˚C to 165˚C • Plating: gold and nickel


160021CB


160012CB

Connectors

Part No.	Description	Cable Type	Plated	1	10	50	100
157972CB	SMA 50Ω crimp type male plug connector⊕	RG-58	Gold	$3.99	$3.59	$3.29	$2.99
153365CB	SMA 50Ω crimp type male plug connector⊕	RG-174	Gold	4.39	3.95	3.55	3.19
145381CB	SMA straight female PCB mount connector, 4 legs⊕	—	Gold	5.25	4.75	4.25	3.49
145373CB	SMA 90˚ female PCB mount connector, 4 legs⊕	—	Gold	7.39	6.65	5.95	5.39
153285CB	SMA bulkhead solder female w/ washer, rear mount⊕	RG-58/174	Gold	3.49	3.15	2.85	2.59
159530CB	SMA female panel mount conn., 4 mounting holes⊕*	RG-58/174	Gold	2.95	2.65	2.35	2.10
160021CB	SMA female panel mount conn., 2 mounting holes⊕*	RG-58/174	Gold	3.99	3.59	3.25	2.95
160012CB	Panel mount feed thru connector female – female⊕	—	Nickel	4.99	4.49	3.99	3.49

*159530CB/160021CB: Solder cup

Couplers


153293CB


161277CB


161293CB


161306CB

Part No.	Description	Plated	1	10	50	100
153293CB	SMA straight coupler female – jack-to-jack⊕	Gold	$3.85	$3.39	$2.19	$1.79
161277CB	SMA 3-way coupler, 1 male – 2 female⊕	Gold	3.49	3.15	2.85	2.55
161293CB	SMA straight coupler male – male⊕	Gold	3.65	3.29	2.95	2.75
161306CB	SMA right angle coupler male – female⊕	Gold	4.99	4.49	3.99	3.65

SMA to BNC Adapters


153453CB


159468CB


153592CB


159476CB

Part No.	Description	Plated	1	10	50	100
153453CB	SMA female to BNC male adapter⊕	Nickel	$2.49	$2.25	$1.99	$1.79
159468CB	SMA female to BNC female adapter⊕	Nickel	2.69	2.45	2.19	1.99
153592CB	SMA male to BNC male adapter⊕	Nickel	3.99	3.59	3.19	2.89
159476CB	SMA male to BNC female adapter⊕	Nickel	2.99	2.69	2.45	2.19

Connector Grades!



Connectors listed with a standard or UG# are INDUSTRIAL GRADE connectors which provide comparable performance and generally feature machine tooled, nickel plated brass bodies, Teflon insulators, and either gold or silver plated contacts. RFX designated parts are COMMERCIAL GRADE connectors which are typically low-cost connectors that use die-cast and molded components. Performance will not be equal to the industrial or military grade but is ideal for use on a variety of commercial applications. CONSUMER GRADE connectors are similar to commercial grade which are typically die-cast and molded connectors but are of lower cost. These connectors have limited mating capabilities and performance will not be equal to industrial or commercial grade. Typically these lower-cost connectors are used in consumer applications.

Practical Practices
Money Saving Tips for the Engineer

Lowest Price Guarantee
Have you found a product at a lower print-advertised price? We'll beat that price by 10%, right down to our cost.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Type N Adapter



- Male to male
- Nickel plated machined brass construction
- Gold plated contacts

Part No.	Description	1	10	25
309622CB	N-series adapter ⊕	$3.75	$2.99	$2.45

AMP BNC Connectors



T3/E3 Applications

- Right angle • 50Ω
- PC board/panel mount jacks
- Crimp jacks • Crimp plugs

Additional Hardware

- Washers • Nuts

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our AMP BNC Connector Offering at www.Jameco.com/Prod/AMPBNC

Cinch SMA/SMB Connectors



SMA

- Jacks and plugs
- Straight, right angle and edgemount

SMB

- Jacks
- Straight or right angle

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Cinch RF Connector Offering at www.Jameco.com/Prod/CinchRF

Jameco ValuePro SMA/SMB 50Ω Coax Cables



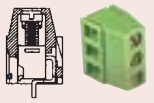
Fig. 1 Fig. 2 Fig. 3 Fig. 4

Fig. 1: SMA male to SMA male
Fig. 2: SMA male to SMA right angle male
Fig. 3: SMA right angle male to SMA right angle male
Fig. 4: SMB plug to SMB plug

Part No.	Cable	Fig.	Lgth (ft.)	1	10	50
159370CB	RG-58 ⊕	1	2	$4.49	$3.99	$3.49
159396CB	RG-58 ⊕	1	6	5.49	4.89	4.19
169800CB	RG-174 ⊕	1	0.5	5.59	4.99	4.55
163854CB	RG-174 ⊕	1	1	4.49	3.95	3.39
153381CB	RG-174 ⊕	1	2	4.95	4.29	3.39
153390CB	RG-174 ⊕	1	4	5.49	4.75	4.29
159450CB	RG-174 ⊕	1	6	6.79	6.15	5.55
175126CB	RG-174 ⊕	2	0.5	4.49	3.95	3.49
175134CB	RG-174 ⊕	2	1	4.95	4.25	3.75
175142CB	RG-174 ⊕	3	0.5	5.75	5.25	4.49
175151CB	RG-174 ⊕	3	1	6.25	5.75	4.75
175169CB	RG-174 ⊕	4	0.5	4.29	3.89	3.49
175177CB	RG-174 ⊕	4	1	5.29	4.79	3.95

Dinkle / OST Terminal Blocks and Header

- For detailed specifications, please see our website at www.Jameco.com
- **164814CB**: Male header (.197") for use with 164793CB and 164806CB


Fig. 1 (99397CB)

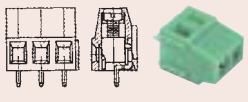
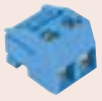

Fig.2 (160784CB)


Fig. 3 (161066CB)


Fig. 4 (189675CB)


Fig. 5 (164793CB)

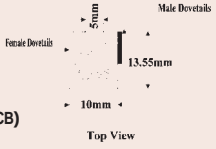



Fig. 6 (164806CB)


Fig. 7 (249084CB)

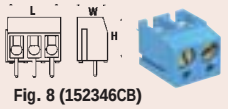


Fig. 8 (152346CB)


Fig. 9 (164814CB) use w/ Fig. 5 & 6

Part No.	Mfg.	Product No.	Fig.	Term.	Terminal Spacing	1	10	100	1000
99426CB	Dinkle	DT128/2 ⊕	1	2	0.197"/5mm	$.72	$.55	$.44	$.40
99397CB	Dinkle	DT128V3P ⊕	1	3	0.197"/5mm	.99	.89	.79	.59
160784CB	Dinkle	EK500V-02P ⊕	2	2	0.197"/5mm	.65	.55	.45	.39
160792CB	Dinkle	EK500V-03P ⊕	2	3	0.197"/5mm	.95	.85	.75	.69
161066CB	Dinkle	EK500A-02P ⊕	3	2	0.197"/5mm	.75	.65	.49	.39
161058CB	Dinkle	EK500A-03P ⊕	3	3	0.197"/5mm	.95	.85	.75	.69
189675CB	OST	EDC500/2DS ⊕	4	2	0.197"/5mm	.79	.71	.64	.58
189667CB	OST	EDC500/3DS ⊕	4	3	0.197"/5mm	.89	.80	.72	.61
164793CB	OST	EDC130/2DS ⊕	5	2	0.197"/5mm	.59	.53	.47	.42
164806CB	OST	EDC130/3DS ⊕	6	3	0.197"/5mm	.84	.76	.62	.54
249084CB	OST	EDZ750/3 ⊕	7	3	0.200"/5.08mm	1.49	1.39	1.19	.89
152346CB	OST	EDC120/2DS ⊕	8	2	0.200"/5.08mm	.65	.55	.45	.39
152354CB	OST	EDC120/3DS ⊕	8	3	0.200"/5.08mm	.47	.44	.39	.30
164814CB	OST	EDSTL130/24 ⊕	9	24	0.197"/5mm	2.19	1.97	1.80	1.36

Cinch Double Row Barrier Blocks

- Voltage rating: 250VAC RMS max.
- Insulation: molded mono block, general purpose phenolic, black, UL94V-1
- Eyelet material: brass with nickel plating
- Screw material: steel with nickel over copper flash plating
- Solder terminal material: brass with electro-tin plating


230990CB


231378CB

✪ Blue Part No. = Limited Quantity Available

140 Series 15A

- 3750-watts per terminal max.
- 16 AWG wire max. • Size: 0.88"W x 0.41"H
- Screw: 5-40 x 3/16" • Density: 0.375"

Part No.	Prod. No.	Pos.	Length	1	10	100
230973CB	2-140 ⊕	2	1.41"	$.99	$.89	$.74
230981CB	3-140 ⊕	3	1.78"	1.29	1.15	.95
230990CB	4-140 ⊕	4	2.16"	1.45	1.29	1.05
231001CB	5-140 ⊕	5	2.53"	1.59	1.44	1.18
231010CB	6-140 ⊕	6	2.91"	1.99	1.79	1.48
231028CB	7-140 ⊕	7	3.28"	2.19	1.95	1.59
231036CB	8-140 ⊕	8	3.66"	2.49	2.24	1.83
231044CB	9-140 ⊕	9	4.03"	2.79	2.49	2.03
231052CB	10-140 ⊕	10	4.41"	3.25	2.89	2.35
231061CB	12-140 ⊕	12	5.16"	3.55	3.15	2.59

141 Series 20A

- 5000-watts per terminal max.
- 14 AWG wire max. • Size: 1.13"W x 0.5"H
- Screw: 6-32 x 1/4" • Density: 0.438"

Part No.	Prod. No.	Pos.	Length	1	10	100
231351CB	2-141 ⊕	2	1.63"	$.99	$.85	$.72
231360CB	3-141 ⊕	3	2.10"	1.69	1.45	1.09
231378CB	4-141 ⊕	4	2.50"	1.79	1.59	1.25
231386CB	5-141 ✪ ⊕	5	2.94"	1.85	1.64	1.33
231394CB	6-141 ⊕	6	3.38"	1.99	1.75	1.45
231407CB	7-141 ⊕	7	3.81"	2.49	2.25	1.85
231415CB	8-141 ⊕	8	4.25"	2.79	2.35	1.94
231423CB	9-141 ⊕	9	4.69"	2.99	2.59	2.19
231431CB	10-141 ⊕	10	5.13"	3.19	2.79	2.29
231440CB	12-141 ⊕	12	6.00"	3.59	3.29	2.69

To Find Additional Cinch Double Barrier Blocks, Visit www.Jameco.com/Prod/Cinch2RBlocks

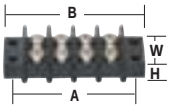


www.Jameco.com

Our enhanced website offers nearly 15,000 more products. Find them quickly and order them easily.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

KULKA® 601 GP Series Double Row Terminal Blocks



188699CB


188672CB

- Base: general purpose phenolic; 150˚C
- Screws: #6-32, binder head, phillips-slot
- Terminals: brass plated • Width (W): 1.12"
- .437" (11 mm) centers • Height (H): .50"
- 1100Vrms; 20A ratings; for 14-16 AWG wires
- Open block design
- UL/CSA/CE approved

Part Number	Product Number	Poles	Dimensions A"	B"	1	10	50
188699CB	601GP4⊕	4	2.19	2.50	$1.69	$1.49	$1.35
188681CB	601GP6⊕	6	3.06	3.38	... 2.39	2.19	1.89
188672CB	601GP8⊕	8	3.94	4.25	... 2.95	2.75	2.49
188664CB	601GP10⊕	10	4.81	5.13	... 3.49	3.25	2.95
188701CB	601GP12⊕	12	5.69	6.00	... 5.49	4.95	3.95

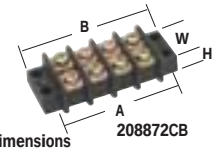
Metric Double Row Terminal Blocks

- Body material: black thermoplastic (UL94V-0)
- 12-18 AWG
- Terminals: brass tin plated
- Screws: steel nickel plated
- Insulation withstanding voltage: 2000VAC min.
- Insulation resistance: 1000MΩ or more at 500VDC

A Jameco EXCLUSIVE

10A @ 600V

- Screw size: M3.0
- Width (W): 19.5mm
- Height (H): 11.9mm



208872CB

Part Number	Cross Ref. No.	Poles	Dimensions A	B	1	10	50
208856CB	GGE-10-4P⊕	4	47.5	55	... $.99	$.89	$.79
208864CB	GGE-10-6P⊕	6	64.5	74	... 1.39	1.25	1.15
208872CB	GGE-10-8P⊕	8	95	102.5	1.69	1.59	1.49
208899CB	GGE-10-10P⊕	10	104.5	112	.. 2.39	2.15	1.89
208881CB	GGE-10-12P⊕	12	123.5	131	.. 2.79	2.49	2.25

20A @ 600V

- Screw size: M3.5
- Width (W): 22.0mm
- Height (H): 13.2mm


207571CB

Part Number	Cross Ref. No.	Poles	Dimensions A	B	1	10	50
207538CB	GGE-20-4P⊕	4	54.5	63.5	$1.39	$1.25	$1.10
207546CB	GGE-20-6P⊕	6	76.3	85.3	1.99	1.79	1.59
207554CB	GGE-20-8P⊕	8	98.1	107.1	2.59	2.35	2.15
207562CB	GGE-20-10P⊕	10	119.9	128.9	3.29	2.99	2.69
207571CB	GGE-20-12P⊕	12	141.7	150.7	3.59	3.19	2.79

Cinch Plug Buttons

- Contact material: steel
- Contact plating: nickel
- Provides ventilation



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Plug Button Offering at www.Jameco.com/Prod/CinchButtons

Panduit Terminals

Panduit Terminals are designed for fast, consistent installation and lasting reliability.


489256CB


489361CB


489221CB

489256CB: High Temp. Non-Insulated Ring Terminal

NEW

- 600V; 343˚C (650˚F) operating temperature
- Brazed seam assures a reliable crimp
- Internally beveled for easy wire insertion
- Extended length is easier to crimp and assures good quality wire contact

489361CB/489379CB/489387CB: Nylon Insulated Funnel Entry Ring Terminal

- 600V; 105˚C (221˚F) operating temperature
- Insulation may be crimped to the wire insulation to add strain relief and resistance to pull-out
- Funnel entry speeds wire insertion
- Metal insulation crimp provides double crimp with insulation grip sleeve for high vibration or conductor strain environments

489221CB: Supra-Grip™ Nylon Fully Insulated Female Disconect

- Integrated metal insulation grip to meet double crimp requirements
- Internal wire barrel serrations for maximum wire tensile strength
- Color coded insulation • Funnel entry

Minimum order 1000 pieces

Part No.	Product No.	Description	1000	5000
489256CB	P14-6RHT6-M ♠	16-14 AWG; #6	$.117	$.111
489361CB	PNF10-10R-D ♠	12-10 AWG; #10	.311	.295
489379CB	PNF14-6R-C ♠	16-14 AWG; #6	.63	.56
489387CB	PNF18-10R-M ♠	22-18 AWG; #10	.23	.22
489221CB	DNG14-250FB-M ♠	16-14 AWG; .250"	.181	.172

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Buchanan Barrier/Terminal Blocks

Terminal Blocks

- Straight or right angle
- Polarization keys for virtually error-free mating
- Built-in interlocks to assemble higher number of ways

Europa Terminal Blocks



- Modular design
- Tubular contacts
- Wire protectors

Dual Barrier Strips

- Fast wiring – backed-out wire-ready screw
- Interrupted thread designed to prevent screws from falling out

Tri Barrier Strips



- Help constrain frayed wire ends
- Back barriers to safeguard field wiring
- Fast wiring – backed-out wire-ready screw
- Interrupted thread designed to prevent screws from falling out

Interface Modules

- These modules convert industry specific connectors to field wiring and are designed to supply custom solutions

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Cinch Mini DIN Offering at www.Jameco.com/Prod/BuchananBlocks

Over 99% of Our Products Are In Stock

Place your order by 6PM EST for same business day shipment.

171-Pc. Solderless Terminal Kit

Qty.	Description	Wire Gauge	Blade Size	Qty.	Description	Wire Gauge	Blade Size
10	Male spade	22-16	1/4"	10	Ring term.	16-14	#10
10	Male spade	16-14	1/4"	5	Ring term.	12-10	#10
10	Fem. spade	22-16	1/4"	5	Ring term.	12-10	#14
10	Fem. spade	16-14	1/4"	10	Spade term.	16-22	#6
10	Ring term.	22-16	#6	10	Spade term.	16-22	#8
10	Ring term.	22-16	#8	10	Spade term.	16-14	#10
10	Ring term.	16-14	#10	10	Butt conn.	16-22	–
15	Ring term.	16-14	#6	10	Butt conn.	16-14	–
10	Ring term.	16-14	#8	5	Butt conn.	12-10	–

170 Terminals and Connectors!



- Clear, hinged plastic box
- Use crimping tool P/N 72995CB, pg 280

Part No.	Description	1	10	25
10989CB	Terminal kit⊕	$8.95	$7.95	$7.25

European Terminal Blocks


215010CB

- Number of poles: 12
- 1.2mm raised base
- Working temp.: 230˚F (110˚C)
- Voltage: 600V
- Material: Polyamide 66 (nylon 66), UL94V-2, natural
- Terminal insert: brass metal alloy, nickel plated
- Wire protector: stainless steel spring
- Screws: zinc plated, yellow chromed

A Jameco EXCLUSIVE

Part No.	Cross Ref.	Amps	AWG	1	10	100
215010CB	PA8H⊕	20A	12-22	$1.79	$1.59	$1.29
215028CB	PA10H⊕	30A	10-22	1.89	1.69	1.39
215036CB	PA12H⊕	35A	10-22	2.59	2.29	1.99

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

AMP

P.I.D.G. (Pre-Insulated Diamond Grip) Nylon Insulated Terminals

Designed for complete and uniform reliability. Nylon insulated terminals feature a tin plated copper body with a copper sleeve fitted over the terminal barrel to provide maximum insulation support.

- High dielectric strength
- Funnel ramp entry
- Copper support sleeve for insulation
- Temperature rating: 105˚C
- Meets MIL-T-7928


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7

Ring Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302594CB	323912 ⊕	1	#2	26-22	Yellow	$.21	$.208	$.186
302607CB	323914 ⊕	1	#4	26-22	Yellow	.22	.215	.192
302615CB	323915 ⊕	1	#6	26-22	Yellow	.21	.208	.186
302623CB	323916 ⊕	1	#8	26-22	Yellow	.26	.251	.224
302631CB	324075 ⊕	1	#10	26-22	Yellow	.29	.283	.171
302640CB	328657 ⊕	1	#2	22-16	Red	.21	.208	.186
302658CB	31880 ⊕	1	#4	22-16	Red	.21	.19	.15
302666CB	36152 ⊕	1	#6	22-16	Red	.20	.145	.133
302674CB	31890 ⊕	1	#8	22-16	Red	.20	.15	.133
302682CB	36154 ⊕	1	#10	22-16	Red	.20	.15	.133
302691CB	31894 ⊕	1	1/4"	22-16	Red	.26	.251	.172
302703CB	31895 ⊕	1	5/16"	22-16	Red	.25	.242	.215
302711CB	31897 ⊕	1	3/8"	22-16	Red	.31	.305	.176
302720CB	320619 ⊕	1	#6	16-14	Blue	.20	.145	.133
302738CB	320565 ⊕	1	#8	16-14	Blue	.20	.145	.133
302746CB	36160 ⊕	1	#10	16-14	Blue	.20	.145	.133
302754CB	321045 ⊕	1	1/4"	16-14	Blue	.20	.169	.162
302762CB	328998 ⊕	1	5/16"	16-14	Blue	.25	.244	.167
302771CB	328999 ⊕	1	3/8"	16-14	Blue	.29	.284	.172
302789CB	35149 ⊕	1	#6	12-10	Yellow	.28	.182	.17
302797CB	35108 ⊕	1	#8	12-10	Yellow	.20	.189	.171
302800CB	35109 ⊕	1	#10	12-10	Yellow	.20	.189	.171
302818CB	35110 ⊕	1	1/4"	12-10	Yellow	.33	.327	.218
302826CB	35111 ⊕	1	5/16"	12-10	Yellow	.33	.327	.218
302834CB	35112 ⊕	1	3/8"	12-10	Yellow	.33	.327	.218
302842CB	35151 ⊕	1	1/2"	12-10	Yellow	.52	.286	.268

Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302851CB	328394 ⊕	2	#2	22-16	Red	$.21	$.208	$.185
302869CB	327717 ⊕	2	#4	22-16	Red	.26	.253	.225
302877CB	34541 ⊕	2	#6	22-16	Red	.20	.145	.133
302885CB	32053 ⊕	2	#8	22-16	Red	.21	.208	.185
302893CB	32054 ⊕	2	#10	22-16	Red	.21	.208	.175
302906CB	35559 ⊕	2	#6	16-14	Blue	.21	.208	.146
302914CB	32059 ⊕	2	#8	16-14	Blue	.21	.208	.185
302922CB	321233 ⊕	2	#8	16-14	Blue	.24	.236	.21
302931CB	32060 ⊕	2	#10	16-14	Blue	.24	.236	.146
302949CB	326859 ⊕	2	#6	12-10	Yellow	.42	.416	.37
302957CB	32588 ⊕	2	#8	12-10	Yellow	.31	.309	.275
302965CB	32589 ⊕	2	#10	12-10	Yellow	.30	.256	.24

Flanged Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302973CB	324608 ⊕	3	#2	22-16	Red	$.28	$.273	$.243
302981CB	32562 ⊕	3	#6	22-16	Red	.23	.227	.158
302990CB	32498 ⊕	3	#8	22-16	Red	.50	.451	.438
303001CB	320861 ⊕	3	#6	16-14	Blue	.24	.23	.159
303010CB	320862 ⊕	3	#8	16-14	Blue	.24	.23	.204
303028CB	320863 ⊕	3	#10	16-14	Blue	.23	.224	.199
303036CB	325150 ⊕	3	#6	12-10	Yellow	.59	.493	.461
303044CB	32510 ⊕	3	#8	12-10	Yellow	.25	.223	.19
303052CB	324015 ⊕	3	#10	12-10	Yellow	.39	.288	.269

To Find Additional Products, Visit www.Jameco.com/Prod/AMPTerminals

Short Spring Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
303061CB	82927 ⊕	4	#4	22-16	Red	$.22	$.209	$.186
303079CB	52929 ⊕	4	#6	22-16	Red	.25	.238	.164
303087CB	52930 ⊕	4	#8	22-16	Red	.25	.238	.212
303095CB	52931 ⊕	4	#10	22-16	Red	.35	.345	.258
303108CB	52935 ⊕	4	#6	16-14	Blue	.25	.238	.164
303116CB	52936 ⊕	4	#8	16-14	Blue	.28	.27	.24
303124CB	52937 ⊕	4	#10	16-14	Blue	.28	.27	.24
303132CB	52941 ⊕	4	#6	12-10	Yellow	.32	.31	.248
303141CB	52942 ⊕	4	#8	12-10	Yellow	.36	.35	.282
303159CB	52943 ⊕	4	#10	12-10	Yellow	.36	.351	.282

Butt & Knife Disconnect Splices

Part No.	Product No.	Fig.	Description	Wire (AWG)	Color	1	10	100
303167CB	323994 ⊕	5	Butt	26-22	Yellow	$.39	$.339	$.317
303175CB	320559 ⊕	5	Butt	22-16	Red	.50	.496	.356
303183CB	320562 ⊕	5	Butt	16-14	Blue	.57	.496	.295
303191CB	320570 ⊕	5	Butt	12-10	Yellow	.85	.82	.499
303204CB	32446 ⊕	6	Knife disconn.	22-16	Red	.42	.411	.27
303212CB	32448 ⊕	6	Knife disconn.	16-14	Blue	.42	.411	.27
303221CB	35762 ⊕	6	Knife disconn.	12-10	Yellow	1.45	1.24	1.11

Fast-On Receptacles

Part No.	Product No.	Fig.	Size (in.)	Wire (AWG)	Color	1	10	100
303239CB	60894-1 ⊕	7	.110 x .032	22-18	Natural	$.24	$.232	$.168
303247CB	640923-1 ⊕	7	.110 x .020	22-18	Red	.22	.214	.163
303255CB	640917-1 ⊕	7	.187 x .020	22-18	Red	.20	.162	.13
303263CB	640909-1 ⊕	7	.205 x .020	22-18	Red	.22	.214	.163
303271CB	640911-1 ⊕	7	.205 x .032	22-18	Red	.22	.214	.163
303280CB	640903-1 ⊕	7	.250 x .032	22-18	Red	.20	.16	.13
303298CB	640929-1 ⊕	7	.110 x .020	16-14	Blue	.22	.214	.163
303301CB	640919-1 ⊕	7	.187 x .020	16-14	Blue	.22	.214	.163
303319CB	640915-1 ⊕	7	.205 x .032	16-14	Blue	.22	.214	.163
303327CB	640905-1 ⊕	7	.250 x .032	16-14	Blue	.20	.162	.16
303335CB	42844-1 ⊕	7	.250 x .032	14-12	Green	.31	.30	.215
303343CB	640907-1 ⊕	7	.250 x .032	12-10	Yellow	.25	.237	.166

To Find Additional Products, Visit www.Jameco.com/Prod/AMPTerminals

Vinyl Insulated Solderless Terminals

- Insulation thickness: .030"
- Funnel ramp entry
- Temperature to 105°C
- Use with crimping tool P/N 72995CB, pg 280
- ***Sold in increments of 10, 100 or 1000***


103683CB


103587CB


103667CB


109111CB

Ring & Spade Solderless Terminals

Part No.	Description	Stud Size	Wire (AWG)	Color	10	100	1000
103683CB	Ring solderless ⊕	#6	22-16	Red	$.11	$.07	$.05
103587CB	Spade solderless ⊕	#6	22-16	Red	.13	.06	.05
103595CB	Spade solderless ⊕	#8	16-14	Blue	.12	.068	.06

Disconnect Solderless Terminals

Part No.	Description	Blade Size	Wire (AWG)	Color	10	100	1000
106921CB	Female ⊕	.187"	22-16	Red	$.12	$.07	$.05
103667CB	Female ⊕	.25"	22-16	Red	.12	.07	.05
109111CB	Female w/ hood ⊕	.25"	22-16	Red	.17	.11	.055

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Heat-Sealable Terminals



Perma-Seal™ all-weather heat-sealable terminals and splices provide a rugged, environmentally sealed connection for wire sizes 8 to 22 AWG. They will insulate, seal and protect wire splices from physical abuse and abrasion, water, salt and other corrosive compounds.

- Types: ring, spade and butt splices
- Quick disconnects • NiAc™ insulation
- Snap plugs and receptacles
- Size: 6" (M3.5) to 3/4" (M18) stud size
- Wire gauge ranges: 8 to 22 AWG

Features:

- Long-lasting, moisture-proof connections that withstand water, salt, condensation, corrosion and heat, all of which cause serious problems for conventional, unsealed splices
- Inner seal repels moisture incursion, even during pressure cycling
- Stands up to some of the most rigorous tests that can be applied to high performance splices, such as the salt fog test MIL-T-7928
- Wall thickness is significantly thicker than the polyolefin or nylon products, providing excellent durability
- Shrinks up to 40% faster than polyolefin and nylon products

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Molex Splice Offering at www.Jameco.com/Prod/MolexHST

Quick Disconnects



Quick Disconnects are connectors that mate with male tab terminals, tab adapters, terminal blocks fitted with male tabs and other electromechanical components like switches and relays.

- Types: straight, flag, piggyback style, snap plug, adapters, male, female
- Sizes: 2.79 mm (.110") to 6.35 mm (.250") tab width; 0.30 mm (.012") to 1.20 mm (.047") tab thickness
- Wire gauge ranges: 10 to 26 AWG
- Barrel types: Avikrimp® (Nylon Insulation with support sleeves), InsulKrimp® (PVC insulation), Krimptite®, Open Vibrakrimp®

Features:

- The terminal itself is constructed of tin-plated brass, per NEMA specifications
- Quick disconnects can be fully insulated, non-insulated, or partially insulated
- The insulators are either molded vinyl (PVC), extruded nylon or molded nylon

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Molex Quick Disconnect Offering at www.Jameco.com/Prod/MolexQD

30-Day Money-Back Guarantee

Details on page 305.

DIN Rail-Mounted Terminal Block and DIN Rail

Foot snaps onto standard DIN and DIN 2 rails. Terminals are positively retained on rails, but can be removed without disturbing adjacent units.

- Molded thermoplastic • Spacing: 5.06mm (.199")
- UL rated voltage and current: 600V @ 20A • 14-22 AWG



237083CB



248735CB
Sold in 1 meter (39") length

Part No.	Product No.	Type	1	10	100
237083CB	41296.2⊕	SR2.5	$.89	$.79	$.69
248735CB	2094.0⊕	TS35 x 7.5 (35mm width x 7.5mm depth)	6.79	5.45	4.10

Ring Tongue Terminals



Ring tongue terminals are the basic tongue type. They are the safest and most reliable because they cannot be disconnected unless the screw is completely removed.

- Types: ring spade, block spade, snap spade, flanged spade, hook
- Stud size 3/4" (M18) – 0 (M1.5), AWG
- UL listed, CSA certified
- Barrel types: Flared InsulKrimp® (PVC insulation), Krimptite® NiAc™ (insulation), Nylakrimp® (nylon insulation), Nylakrimp® Funnel Entry (nylon insulation), Perma-Seal™ (NiAc), Versakrimp™ (seamless barrel), Open VibraKrimp®

Features:

- Crimps in industry-standard tooling
- Seamless barrel design
- Can be easily crimped
- Flared barrel entry for easy wire insertion
- AWG wire size identification on barrel
- Made of CDA-110 copper stock offering 100% conductivity

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Molex Ring Terminal Offering at www.Jameco.com/Prod/MolexRingTerm

Splices



Splices enable the parallel or end-to-end solderless connection of solid and/or stranded wires.

- Types: multi-lock, wire tap, wing lock butt – funnel entry, step down, window closed-end connector insert closed-end insulated, twist lock MagKrimp™ (magnet wire) parallel
- Wire gauge ranges: 4/0 to 26 AWG
- Barrel types: Avikrimp® (nylon insulation), InsulKrimp® (PVC insulation), Krimptite®, Nylakrimp® (Nylon insulation), Versakrimp™ (seamless barrel)

Features:

- High speed crimping provides the lowest applied cost. Easy, safe and clean to use with no soldering required
- Compression crimp produces a strong and dependable connection
- Precision crimp tooling provides consistent terminations, greatly reducing down time and human errors
- Mini Mac applicators fit into industry standard crimp presses

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Molex Splice Offering at www.Jameco.com/Prod/MolexSplice

3M Scotchlok™ IDC Communications Connectors



652025CB



652033CB

NEW

3M™ Scotchlok IDC communications connectors are used for tap splicing voice and data communication cables with solid copper single-conductor wires.

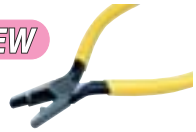
- 25 pieces per pkg.

Part No.	Product No.	Description	1	10	25
652017CB	03719	Green	$6.99	$6.25	$5.61
652025CB	03720	Red	6.99	6.25	5.61
652033CB	03721	Yellow	6.99	6.25	5.61

3M Connector Crimp Tool

This E-9Y Scotchlok connector crimp tool is used for crimping Scotchlok IDC telecom splices.

NEW



Part No.	Description	1	5	10
652244CB	Crimp tool	$34.25	$32.61	$30.98

3M Electrical Connector Kits

3M™ Electrical Connectors are reliable, simple to use and versatile.

NEW



651946CB

Part No.	Description	1	10	25
651946CB	55 pc. electrical kit	$14.99	$13.35	$11.99
651954CB	79 pc. electrical kit	17.25	15.29	13.73
651962CB	48 pc. 16-14AWG term. kit	9.39	8.35	7.49
651989CB	28 pc. 12-10AWG term. kit	8.99	7.99	7.19
651997CB	Asst. quick connect kit	7.99	7.16	6.43
652009CB	Asst. splice connect kit	8.99	7.99	7.19
652041CB	Heatshrink splice kit	14.89	13.19	11.85

For more 3M products, see pages 109, 110, 148, 184 & 284.



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend
New Sale Lower$ QtySave

3M Spring Connectors


285683CB


285691CB


285704CB

This simplifies selection of the right connector for a wide range of wiring jobs. There's also less inventory to manage, and a better chance you'll have the connector you need to do every job.

285683CB: 2#22 to 2#12AWG, orange with blue skirt; replaces the orange, blue, and gray wire nut style connectors as well as 70% of the yellow wire nut and wing style connectors

285691CB: 2#18 to 2#8 to 5#12 AWG, red with yellow skirt, replaces both red and yellow wing style connectors

285704CB: 4#14 to 2#6 to 3#8 AWG, blue with gray skirt, covers both the large blue and gray connectors

- **Minimum order 10 pieces**

Part No.	Product No.	10	100	500
285683CB	3M O/B+ ⊕	$.084	$.075	$.071
285691CB	3M R/Y+ ⊕	.132	.106	.10
285704CB	3M B/G+ ⊕	.41	.37	.32

Wire Connectors


182449CB


182511CB


140716CB

- Material: UL approved nylon 66, 94V2
- Quick and secure method to splice control wires
- Strip wire before application • Twist on type
- Material: PVC with metal spring, except P/N 182449CB nylon 66, 94-2 and P/N 140716CB PE - metal inside

182449CB: UL/CSA approved

- **Minimum order 10 pieces**

Part No.	Description	Color	10	100	1000
182449CB	Crimp 16-14 AWG ⊕ *	Nat	$.06	$.055	$.049
182511CB	Wire nut 16 AWG ⊕	Blue	.045	.04	.035
140716CB	Wire IDC 22-18 AWG ⊕	Red	.15	.14	.10

* Requires crimping tool (P/N 72995CB, pg 280)

Telecom Splice Connectors


169754CB


169746CB

- Provides clean, solid, and rapid connection of wires to keep communication lines free of noise
- Available to handle a wide range of conductor sizes

169754CB: Y-type

- **Minimum order 10 pieces**

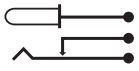
Part No.	Color	Wire Gauge	No. of Conductors	10	100	1000
169746CB	Yellow ⊕	22–26	2	$.11	$.10	$.08
169754CB	Red ⊕	19–26	3Y	.15	.14	.12

Save Big!
Special Values!

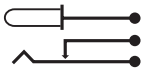
New Lower Prices = Orange
Sale Priced Items = Yellow
Quantity Discount = Green

Male & Female Power Jacks

- Use with mating power plugs, below
- Dimensions do not include barrel


Circuit 1


Circuit 2


Circuit 3

Mounting	Code
Panel	C
PCB	D
Panel & PCB	E
Cable	F

Terminals	Code
Solder eyelet	A
PC board	B



Type 1


Type 2


Type 3


Type 4


Type 5


Type 6


Type 7

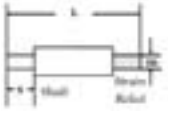

Type 8


Type 9

Part Number	Cross Ref. No.	Dimensions H x W x D (mm)	Type/ Mount	Circuit/ Terminal	Mating Plug (below)	Pricing 1	10	100	1000
1.3 mm Male Jacks									
101194CB	PP024 ⊕	6.0 x 6.0 x 9.0	7/D	1/B	1.3 mm female	$.62	$.48	$.44	$.36
265421CB	420ECS ⊕	7.3 x 5.0 x 11.5	1/D	1/B	1.3 mm female	.69	.55	.49	.45
2.1 mm Male Jacks									
101178CB	PP014 ⊕	10.9 x 9.0 x 14.5	1/D	1/A	2.1 mm female	$.49	$.44	$.39	$.35
137672CB	PP013 ⊕	10.9 x 9.0 x 14.5	4/D	3/A	2.1 mm female	.40	.36	.32	.29
151589CB	DPJ-02IA ⊕	13.0 x 12.6 Dia.	6/C	1/A	2.1 mm female	1.09	.93	.70	.65
151554CB	DPJ-026 ⊕	15.1 x 8.0 Dia.	5/E	1/A	2.1 mm female	1.49	1.25	1.05	.89
159610CB	PJ1014A ⊕	35.8 x 12.6 Dia.	9/F	3/A	2.1 mm female	1.49	1.25	1.09	.89
2.5 mm Male Jacks									
207714CB	HEC0470 ⊕	11.0 x 9.0 x 14.5	1/D	1/B	2.5 mm female	$.45	$.35	$.29	$.25
101186CB	PP014A ⊕	11.0 x 9.0 x 14.5	1/D	1/A	2.5 mm female	.59	.53	.42	.32
151562CB	DPJ-026A ⊕	15.1 x 8.0 Dia.	5/E	1/A	2.5 mm female	1.49	1.24	1.13	.99
159505CB	PJ1015A ⊕	35.8 x 12.6 Dia.	9/F	3/A	2.5 mm female	1.39	1.25	1.13	1.01
202358CB	HD2388 ⊕	17.0 x 12.0 Dia.	6/C	3/A	2.5 mm female	1.09	.98	.88	.79
3.5 mm Female Jacks									
101143CB	PJ0352 ⊕	10.0 x 10.0 x 18.5	2/E	2/A	3.5 mm male	$.35	$.32	$.25	$.19
109495CB	PJ035PM ⊕	10.5 x 9.0 x 8.8	3/C	2/A	3.5 mm male	.45	.40	.36	.32
165729CB	PJ0354 ⊕	8.9 x 5.7 Dia.	8/C	3/A	3.5 mm male	.69	.59	.49	.39

Male & Female Power Plugs

- Use with mating power jacks found in table, above
- Solder eyelets 1mm diameter
- Threaded screw-on housing (strain relief)
- Use with AC/DC wall adapters, pgs 215-218
- Shield crimp tabs
- Use 24 AWG 2 conductor wire, P/N 100280CB, to make custom length power cables, pg 101




Female (1)


Male (2)


Strain Relief (A)


Female Right Angle (B)


Hard Plastic Strain Relief (C)

Part Number	Cross Ref. No.	Description Plug ID x OD (mm)	Dimensions (mm) S (shaft) x L x ID (strain relief)	Type	Pricing 1	10	100	1000
Female Plugs								
71191CB	PP137 ⊕	1.3 x 3.5	9.6 x 43.9 x 4.8 (black)	1/A	$.79	$.71	$.65	$.59
191484CB	PP049W ⊕	2.1 x 5.5	9.6 x 43.9 x 4.5 (white)	1/A	.69	.62	.56	.50
28759CB	PP049 ⊕	2.1 x 5.5 (P205)	8.5 x 41.4 x 4.6 (black)	1/A	.59	.49	.39	.29
147328CB	PP049L ⊕	2.1 x 5.5 (P205L)	14.0 x 46.4 x 4.6 (black)	1/A	.69	.62	.56	.50
138587CB	PJ021R ⊕	2.1 x 5.5 rt. angle	12.0 x 22.5 x 3.9 (black)	1/B	.79	.63	.55	.49
190537CB	PP109S ⊕	2.5 x 5.5 (P206S)	9.0 x 43.5 x 4.8 (black)	1/A	.39	.32	.29	.19
28767CB	PP109 ⊕	2.5 x 5.5 (P206)	10.1 x 45.4 x 4.3 (black)	1/A	.59	.49	.39	.33
191492CB	PP109W ⊕	2.5 x 5.5	10.1 x 45.4 x 4.5 (white)	1/A	.39	.35	.32	.26
147336CB	PP109L ⊕	2.5 x 5.5 (P206L)	13.6 x 47.5 x 4.8 (black)	1/A	.75	.68	.61	.55
168241CB	PP109N ⊕	2.5 x 5.5	13.7 x 36.5 x 3.9 (black)	1/C	.59	.49	.43	.35
Male Plugs								
101135CB	PJ1025 ⊕	2.5 (P201)	11.1 x 49.0 x 4.3 (black)	2/A	$.59	$.53	$.39	$.29
147459CB	PJ1025L ⊕	2.5 (P201L)	10.5 x 48.0 x 5.0 (black)	2/A	.39	.27	.26	.22
101151CB	PJ1035 ⊕	3.5 (P202)	13.8 x 51.8 x 4.2 (black)	2/A	.49	.38	.35	.29
147344CB	PJ1035L ⊕	3.5 (P202L)	14.1 x 51.0 x 5.2 (black)	2/A	.49	.38	.35	.29

Automobile Power Plug & Cord Assembly

- Screw assembly with strain relief • Accepts .25" x 1.25" fuse

124759CB: pigtail end **364138CB:** 2.1mm x 5.5mm F connector


115001CB


124759CB

Part No.	Description	1	10	100
115001CB	W/ 5A/250VAC fuse ⊕	$1.95	$1.65	$1.19
124759CB	W/ 3A/250VAC fuse & 3' cord ⊕	1.89	1.72	1.69
364138CB	W/ 5A/250VAC fuse & 70" cord	3.49	3.14	2.78

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

JAMECO ReliaPro

Bipolar and Unipolar Stepper Motors

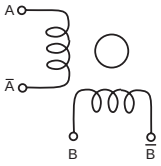
SALE Quantity SAVE

Jameco offers the industry's widest variety of off-the-shelf two-phase bipolar and four-phase unipolar stepper motors for your precision applications. Be sure to check out the wide selection of 2 to 200 VDC models below.

- Ball bearings
- Dielectric strength: 500V, 50Hz/minute
- 18" lead wires
- Ambient temp.:-10˚C to +55˚C
- Insulation resistance: 100MΩ @ 500VDC
- Use P/N 161998CB, pg 304, for shaft coupler

A Jameco EXCLUSIVE

Bipolar (2-phase)



Unipolar (4-phase)

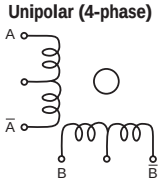


Fig. 1

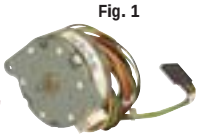


Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Part No.	Cross Ref. No.	Fig.	Drive System	Voltage (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Weight (lbs.)	Pricing 1	Pricing 10	Pricing 50
237526CB	42BYGH001 ⊕	3	Bipolar	2	1.8	2.1	950	2.3	200	1700	1.22	0.10	0.20	0.95	1.67	1.34	0.50	$19.79	$16.82	$12.62
237497CB	39BYG101-01 ⊕	2	Bipolar	2.7	1.8	6.8	400	6.5	150	650	1.22	0.10	0.20	0.75	1.54	0.79	0.26	15.95	14.35	12.95
237420CB	35BYG002	3	Bipolar	3.2	1.8	4.8	800	3	15	50	1.02	0.10	0.20	0.83	1.38	1.02	0.30	12.15	11.05	10.05
237489CB	39BYG001 ⊕	2	Bipolar	5	1.8	5	1000	—	150	1800	1.22	0.10	0.20	0.91	1.54	1.34	0.44	15.95	14.35	12.95
237737CB	42BY48H08 ⊕	8	Bipolar	5	7.5	9.1	550	—	130	630	1.95	0.14	0.12	0.39	1.65	0.87	0.28	7.15	6.45	5.79
237577CB	57BYG061 ⊕	4	Bipolar	6	1.8	12	500	24	—	3569	1.86	0.20	0.25	0.83	2.29	1.61	1.00	29.95	26.95	24.25
237518CB	42BYG017 ⊕	2	Bipolar	6.3	1.8	15	420	16	150	1400	1.22	0.10	0.20	0.51	1.67	1.34	0.50	16.49	14.02	10.51
237454CB	39BYG201 ⊕	2	Bipolar	9.6	1.8	20	480	—	200	1000	1.22	0.10	0.20	0.20	1.54	0.98	0.44	13.95	11.86	10.48
395567CB	42BYG022-40 ⊕ *	3	Bipolar	9.6	1.8	100	240	46	—	1100	1.70	0.90	1.90	0.26	1.67	1.29	0.43	16.95	16.10	15.30
237411CB	35BYG005 ⊕	2	Bipolar	12	1.8	20	500	—	1.5	10	1.02	0.10	0.20	0.83	1.38	1.10	0.37	19.15	16.28	12.21
155459CB	42BYG023 ⊕ *	2	Bipolar	12	1.8	30	400	36	220	2100	1.73	0.10	0.20	0.60	1.70	1.30	0.50	17.95	16.29	14.59
237471CB	39BYG401A ⊕	2	Bipolar	12	1.8	30	400	32	200	2100	1.22	0.10	0.20	0.95	1.54	1.34	0.44	19.49	17.55	15.79
237817CB	25BY2414 ⊕	7	Bipolar	12	15	27	440	15.5	48	140	1.26	0.11	0.08	0.37	0.98	0.59	0.08	6.59	5.95	5.35
237462CB	39BYG401 ⊕	2	Bipolar	14	1.8	31	400	32	200	2300	1.22	0.10	0.20	0.95	1.54	1.34	0.44	15.95	14.50	12.42
237446CB	35BYG008 ⊕	2	Bipolar	24	1.8	1.3	1600	1	1	900	1.02	0.10	0.20	0.83	1.38	1.14	0.33	13.95	11.86	10.48
237569CB	57BYG009 ⊕	4	Unipolar	2.4	1.8	1	2400	1.5	—	5914	1.86	0.20	0.25	0.83	2.29	2.20	1.40	32.29	27.45	20.58
237614CB	57BYGH801 ⊕	6	Unipolar	3.3	1.8	2.2	1500	22	—	5608	1.86	0.20	0.25	0.83	2.24	2.01	1.32	35.19	31.69	28.49
237534CB	42BYGH102 ⊕	5	Unipolar	3.6	1.8	3	1200	3.2	220	3000	1.22	0.10	0.20	0.95	1.67	1.57	0.50	17.95	15.29	11.45
237551CB	57BYG008 ⊕	4	Unipolar	4	1.8	3.1	1300	4.4	—	4996	1.86	0.20	0.25	0.83	2.29	2.01	1.30	29.95	26.95	24.25
237593CB	85BYGH450 ⊕	6	Unipolar	4.4	1.8	2.2	2000	—	—	21414	2.76	0.26	0.51	1.38	3.35	2.95	4.90	161.95	145.75	131.19
237622CB	57BYGH802 ⊕	6	Unipolar	4.8	1.8	3.2	1500	2.9	—	8157	1.86	0.20	0.25	0.83	2.24	2.20	1.54	37.69	33.95	30.55
237606CB	57BYGH001 ⊕	6	Unipolar	5	1.8	5	1000	—	—	3976	1.86	0.20	0.25	0.83	2.24	1.61	1.10	32.49	29.25	26.35
237825CB	25BY4801 ⊕	7	Unipolar	5	7.5	10	500	—	45	110	1.38	0.14	0.08	0.35	0.98	0.56	0.07	5.95	4.95	4.43
237673CB	35BY48B06 ⊕	1	Unipolar	5	7.5	10	500	65	65	250	1.65	0.13	0.08	0.45	1.38	0.59	0.15	6.49	5.85	5.25
237770CB	20BY20H01 ⊕	7	Unipolar	5	18	10	500	—	18	75	0.98	0.09	0.06	0.34	0.79	0.71	0.05	5.15	4.65	4.19
223870CB	57BYG070 ⊕	4	Unipolar	5.4	1.8	3.6	1500	6	977	8974	2.65	0.20	0.25	0.80	2.20	2.20	2.00	49.95	44.96	39.80
237631CB	57BYGH803 ⊕	6	Unipolar	6.3	1.8	4.2	1500	—	—	14276	1.86	0.20	0.25	0.83	2.24	2.99	2.43	64.59	58.15	52.35
172558CB	42BYG014	2	Unipolar	8.5	1.8	19	450	13	150	1300	1.22	0.50	0.20	0.87	1.67	1.34	0.50	11.49	10.09	9.17
237711CB	42BY48H06	8	Unipolar	9	7.5	20	450	18.5	130	800	1.95	0.14	0.12	0.39	1.65	0.87	0.30	6.55	5.95	5.45
237788CB	25BY2402 ⊕	7	Unipolar	9	15	50	180	14	48	100	1.26	0.13	0.08	0.35	0.98	0.59	0.08	5.99	5.09	3.82
237649CB	25BY2403	7	Unipolar	9	15	20	450	4.5	48	130	1.38	0.14	0.08	0.33	0.98	0.56	0.07	3.55	3.19	2.95
172646CB	42BYG205 ⊕	4	Unipolar	9.6	1.8	75	480	15	220	2300	1.73	0.10	0.20	0.90	1.70	1.40	0.50	17.95	16.19	14.55
224021CB	42BYG016 ⊕	2	Unipolar	12	1.8	75	160	40	150	900	1.73	0.10	0.20	0.70	1.70	1.30	0.50	16.95	15.25	13.75
155432CB	42BYG228 ⊕	2	Unipolar	12	1.8	30	400	23	220	2000	1.73	0.10	0.20	0.90	1.70	1.50	0.50	17.95	16.29	14.59
237542CB	57BYG007 ⊕	4	Unipolar	12	1.8	32	380	30	—	2957	1.86	0.20	0.25	0.83	2.29	1.61	1.00	25.95	22.06	17.08
238537CB	42BYGH404 ⊕	5	Unipolar	12	1.8	30	400	25	250	3200	1.22	0.10	0.20	0.95	1.67	1.89	0.60	19.95	17.95	16.15
162026CB	57BYG084 ⊕	4	Unipolar	12	1.8	20	600	22	725	6000	2.65	0.20	0.25	1.00	2.20	2.00	1.30	26.95	24.29	21.85
237972CB	28BYJ01A1 ⊕	7	Unipolar	12	5.625	300	40	—	300	552	1.38	0.17	0.20	0.33	1.10	0.75	0.09	4.69	4.19	3.69
237981CB	28BYJ01C ⊕	7	Unipolar	12	5.625	300	40	—	350	552	1.38	0.14	0.12	0.20	1.10	0.78	0.10	3.99	3.77	3.55
237753CB	28BYJ012A ⊕	7	Unipolar	12	5.625	200	60	—	350	736	1.38	0.16	0.12	0.24	1.10	0.75	0.08	3.99	3.59	3.23
237745CB	28BYJ01A ⊕	7	Unipolar	12	5.625	200	60	—	350	736	1.38	0.16	0.12	0.24	1.10	0.75	0.10	3.99	3.59	3.23
237833CB	25BY4803 ⊕	7	Unipolar	12	7.5	50	240	16	45	110	1.34	0.09	0.08	0.27	0.98	0.59	0.07	5.99	5.09	3.93
237681CB	35BY48B069	1	Unipolar	12	7.5	50	270	28	65	300	1.65	0.13	0.08	0.26	1.42	0.85	0.15	6.15	5.59	5.09
237892CB	42BY48B03 ⊕	8	Unipolar	12	7.5	57	210	18	105	300	2.28	0.08	0.12	0.30	1.65	0.58	0.21	8.99	7.64	6.16
238158CB	35BY48BH10 ⊕	1	Unipolar	12	7.5	42	286	25	90	400	1.65	0.13	0.08	0.26	1.38	0.85	0.19	6.19	5.26	4.73
237930CB	42BY48B14 ⊕	8	Unipolar	12	7.5	50	240	—	145	450	1.95	0.14	0.12	0.39	1.65	0.59	0.22	9.95	8.46	6.34
213321CB	35BY48-27	1	Unipolar	12	7.5	15	800	68	90	460	1.96	0.13	0.08	0.25	1.38	0.83	0.20	4.65	4.25	3.85
238131CB	35BY48BH05 ⊕	1	Unipolar	12	7.5	15	800	10	90	460	1.65	0.13	0.08	0.26	1.38	0.85	0.19	6.19	5.26	4.73
237884CB	42BY48B02 ⊕	8	Unipolar	12	7.5	40	300	28	130	500	N/A	N/A	0.12	0.30	1.65	0.57	0.21	11.99	10.19	7.64
238043CB	30BYJ05-PH ⊕	7	Unipolar	12	7.5	300	40	—	350	552	1.42	0.17	0.20	0.30	1.18	0.69	0.10	4.29	4.06	3.84
237761CB	30BYJ011 ⊕	7	Unipolar	12	7.5	300	40	—	350	644	1.38	0.18	0.12	0.20	1.18	0.69	0.10	4.19	3.99	3.82

* **395567CB/155459CB:** Dual shaft

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

JAMECO ReliaPro

Bipolar and Unipolar Stepper Motors (Continued)

SALE

A Jameco EXCLUSIVE

Part No.	Cross Ref. No.	Fig. (see pg. 149)	Drive System	Voltage (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Weight (lbs.)	Pricing 1	10	50
238086CB	35BYJ03	7	Unipolar	12	7.5	400	40	—	450	828	1.65	0.16	0.20	0.33	1.42	0.67	0.12	~~$4.95~~ $4.35	$3.95	$3.59
238035CB	30BYJ03C ⊕	7	Unipolar	12	7.5	160	75	—	350	920	1.54	0.17	0.12	0.44	1.42	0.69	0.11	4.29	4.06	3.84
238060CB	35BYJ02	7	Unipolar	12	7.5	200	60	—	400	1104	1.65	0.16	0.20	0.33	1.42	0.67	0.13	~~$4.95~~ 4.35	3.95	3.59
238078CB	35BYJ02A	7	Unipolar	12	7.5	200	60	—	400	1104	1.85	0.16	0.20	0.33	1.38	0.69	0.13	~~$4.95~~ 4.35	3.95	3.59
238051CB	35BYJ01 ⊕	7	Unipolar	12	7.5	130	92	—	350	1472	1.65	0.16	0.20	0.33	1.42	0.69	0.12	4.69	4.39	4.09
173180CB	30BYJ02AH ⊕ *	7	Unipolar	12	7.5	200	60	49.5	400	736	1.42	0.14	0.19	0.36	1.18	0.68	0.10	11.49	9.77	7.32
237657CB	25BY2406	7	Unipolar	12	15	30	400	7.5	48	120	1.26	0.13	0.08	0.35	0.98	0.59	0.07	3.55	3.19	2.95
237956CB	42BY48H05 ⊕	8	Unipolar	14	7.5	70	200	—	130	450	1.93	0.14	0.12	0.39	1.65	0.87	0.27	7.59	6.45	6.20
237438CB	35BYG007 ⊕	5	Unipolar	15	1.8	28	400	—	12	70	1.02	0.10	0.20	0.83	1.38	1.10	0.37	13.95	11.86	10.48
237702CB	35BY48BH02 ⊕	1	Unipolar	16.2	7.5	60	270	50	90	450	1.65	0.13	0.08	0.33	1.38	0.59	0.20	5.99	5.09	4.73
237665CB	25BY2407 ⊕	7	Unipolar	16.2	15	85	190	19	48	100	1.26	0.16	0.08	0.49	0.98	0.56	0.10	4.29	3.65	3.21
237796CB	25BY2408 ⊕	7	Unipolar	16.2	15	60	270	16	48	120	1.26	0.17	0.08	0.55	0.98	0.56	0.10	5.99	5.09	4.49
237841CB	25BY4806 ⊕	7	Unipolar	20	7.5	50	400	16	45	155	1.26	0.13	0.08	0.49	0.98	0.56	0.10	5.99	5.09	3.93
237850CB	25BY4807 ⊕	7	Unipolar	20	7.5	50	400	16	45	155	1.38	0.14	0.08	0.22	0.98	0.87	0.10	5.99	5.09	3.93
237868CB	25BY4808 ⊕	7	Unipolar	20	7.5	50	400	16	45	155	1.38	0.14	0.08	0.22	0.98	0.87	0.10	5.99	5.09	3.93
237876CB	25BY4809	7	Unipolar	20	7.5	50	400	16	45	155	1.42	0.35	0.08	0.22	0.98	0.87	0.10	~~$6.95~~ 5.99	5.39	4.85
210391CB	STP42N196S	9	Unipolar	24	3.75	110	436	60	60	600	1.95	0.13	0.118	0.42	1.65	0.54	0.18	~~$1.99~~ 1.55	1.39	1.29
238115CB	35BY48B08 ⊕	1	Unipolar	24	7.5	75	320	38	65	270	1.65	0.13	0.08	0.35	1.38	0.59	0.15	6.19	5.68	5.17
238107CB	35BY48B07 ⊕	1	Unipolar	24	7.5	11	240	70	65	330	1.65	0.13	0.08	0.26	1.38	0.59	0.15	6.19	5.68	5.17
238140CB	35BY48BH07 ⊕	1	Unipolar	24	7.5	110	240	70	90	350	1.65	0.13	0.08	0.26	1.38	0.85	0.20	6.19	5.26	4.73
237690CB	35BY48BH01 ⊕	1	Unipolar	24	7.5	165	145	85	90	400	1.65	0.13	0.08	0.33	1.38	0.59	0.19	5.99	5.09	4.73
237921CB	42BY48B08 ⊕	8	Unipolar	24	7.5	75	320	33	145	600	1.95	0.14	0.12	0.39	1.65	0.59	0.20	7.59	6.45	6.20
237905CB	42BY48B04 ⊕	8	Unipolar	24	7.5	110	220	53	145	630	1.95	0.14	0.12	0.45	1.65	0.59	0.20	7.59	6.45	5.84
237913CB	42BY48B04M ⊕	8	Unipolar	24	7.5	120	200	57	145	630	1.95	0.09	0.12	0.45	1.65	0.59	0.22	7.59	6.45	6.20
237948CB	42BY48H02 ⊕	8	Unipolar	24	7.5	48	500	—	130	630	1.95	0.14	0.12	0.39	1.65	0.87	0.30	7.59	6.45	6.20
237729CB	42BY48H07 ⊕	8	Unipolar	24	7.5	85	280	78	130	780	1.95	0.14	0.12	0.39	1.65	0.87	0.27	7.89	6.71	6.20
237809CB	25BY2409 ⊕	7	Unipolar	24	15	118	200	22	48	100	1.37	0.13	0.08	0.37	0.98	0.59	0.10	6.49	5.52	4.14
238123CB	35BY48BH03 ⊕	1	Unipolar	28.8	7.5	115	278	85	90	450	1.65	0.13	0.08	0.26	1.38	0.85	0.19	6.19	5.26	4.73
237585CB	110BYG450C ⊕	4	Unipolar	80-200	0.9/1.8	0.18	6000	2	3060	45,900	5.0	0.33	0.63	2.13	4.33	5.10	8.40	179.95	152.96	114.72

* **173180CB:** Gear ratio 85.25:1

Other Manufacturers — Great Deals


117954CB


163395CB


105881CB


171601CB


238019CB

Part No.	Cross Ref. No.	Drive System	Volt. (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Pricing 1	10	50
117954CB	LB82773-M1	Bipolar	5	7.5	6	800	7	100	1080	2.60	1.95	0.250	0.75	2.25	1.00	$4.29	$3.89	$3.09
163395CB	5017-935[1]	Bipolar	8.4	0.9	30	280	25	36	791	1.73	0.15	0.155	0.29	1.64	1.20	4.95	4.21	3.16
105881CB	SM4203[2]	Bipolar	12	3.6	25	480	31	80	600	1.73	0.11	0.197	0.43	1.66	1.31	6.49	5.85	5.29
171601CB	PF35T48L4[3]	Unipolar	7	7.5	20	350	9	40	680	1.68	0.14	0.078	0.47	1.38	0.58	4.99	4.49	4.04
238019CB	30BYJ01C1	Unipolar	12	7.5	300	40	—	350	644	1.54	0.17	0.12	0.20	1.18	0.68	4.29	4.06	3.84

[1] **163395CB:** Dual shaft [2] **105881CB:** P/N 25216CB (IC, MC3479P, pg 34) bi-phase stepper motor driver can be used to operate; Use P/N 161998CB for shaft coupler, see pg 304
[3] **171601CB:** Dual shaft w/ 10 tooth gear

Servo Motors

High-Efficiency Robotic Servo

Excellent power-to-weight ratio for robotic projects.

- Supply voltage: 4.8-6 volts
- Speed: 16 seconds to 60˚
- Torque: 49 oz.-in. (3500 g-cm) @ 4.8V
- Can be operated by P/N 151001CB, pg 151



Part No.	Description	Size	1	10
157067CB	Robotic servo	0.8"W x 1.4"D x 1.6"H	$19.95	$17.95

Giant Robotic Ball-Bearing Servo

Extremely powerful! Perfect for large robotic projects where power is a must.

- Supply voltage: 4.8-6 volts
- Speed: 19 seconds to 60˚
- Torque: 161 oz.-in. (11,500 g-cm) @ 4.8V
- Can be operated by P/N 151001CB, pg 151



Part No.	Description	Power Supply	1	10
166351CB	Giant robotic servo	4.8-6 volts	$49.95	$44.95

Our great selection of Servo Motors can be found at www.Jameco.com/Prod/Servos

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Electromech

Scott Edwards Electronics, Inc.

Serial Servo Controller Module



- Controls 8 pulse-proportional servos
- Receives serially at 2400 or 9600 baud
- Module is addressable, allowing two units to share the same line to control a total of 16 servos
- Connections to serial input can be established using a modular jack (P/N 115553CB, pg 107) or modular adapter from DB9 to RJ11 (P/N 114737CB, pg 107)
- Size (PCB): 1.9"L x 1.4"W • One-year warranty

Part No.	Description	1	10
151001CB	Mini SSC II ⊕	$43.95	$41.79

32-Bit Stepper Motor Controller

One Axis



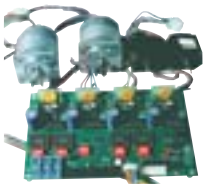
- Controls one bipolar stepper motor with 32-bit absolute position
- Interface to PC through RS232 or RS485 @ 2400-19,200bps
- Full, half or wave step modes
- Multiple boards may share same serial line (RS485 only)
- 2 channel general purpose 8-bit A/D input port for reading 0 to 5V
- 4-bit digital input for home limits
- Addressable up to 255 boards
- Size: 4.4"L x 2.3"H
- Weight: 0.7 lbs.

Includes: Manual and sample code software

Part No.	Description	1	10
153621CB	32-bit controller ⊕	$158.95	$150.99

See our extensive motor selection on pages 149-150 & 152-155.

Multi-Stepper Motor Control Board

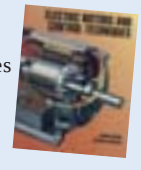


Shown w/ motors – not included

- Simultaneous/independent control of up to 16 stepper motors through a single serial port
- High-speed serial communication interface 9.6kbps-230.4kbps
- 11 analog channels, A/D converter, 12-bit resolution
- 24-bit position register; can be read while motor is moving
- Linear acceleration/deceleration capability up to 8500 step/sec. • Size: 7.7"L x 5.0"W x 1.0"H
- Full step (monophasic and biphasic), half step and external driver modes
- Current-mode coil driver up to 2A/45V
- Automatic power down prevents motor overheating
- External driver control outputs: step, direction and power control • Weight: 0.7 lbs.
- 26 digital I/O and two SPI interfaces for control of external devices
- 32 bits DDL interface for Windows® 9X, NT & Linux
- Internal FIFO RAM (128 bytes) allows customized motion profiles

Part No.	Description	1	10
168727CB	Stepper motor control brd ⊕	$399.95	$379.95

Electric Motors & Control Techniques



TAB Publishing Explains how different types of motors operate, and how electronic control devices can be used to improve efficiency in a wide range of applications. (294 pages, 1994)

- Size: 7.3" x 9.2" • Weight: 1.1 lbs.

Part No.	Description	Price
137162CB	Electric Motors & Control	$24.95

Sport232-ST One Axis Stepper Motor Controller and DAC Board



- Shaft encoder capabilities for close loop applications
- Home, limit CW/CCW, abort, pulse and direction output signals
- 4-channels with signal conditioning 0 to 2.5V, 0 to 10V
- Linear acceleration/deceleration, profile movements through 128 bytes internal FIFO
- Full, half steps (monophasic, bi-phasic)
- 8 Digital I/I and 8 analog inputs with 12-bit resolution
- Free 32-bit DLL for Windows 9x/NT/2000/XP, Linux and Labview

Part No.	Description	1	10
355047CB	Sport232-ST ⊕	$147.25	$137.75

RMV856-ET Stepped Motor Controller



355186CB



355266CB

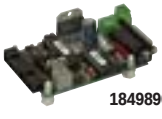
- CMOS, +5V device combines high performance with low cost
- Capable of generating step rates from 16 steps/sec to 8500 steps/sec using pulse and direction signals
- Internal step register counts up to 16 million steps per motion
- 8 Digital I/Os can be addressed individually by one command
- External programmable events: trigger waits, loops, program branches and stepping motions
- Supports programmable start rate, accel/decel, slew rate and absolute or relative control position
- Programmable stall detection feature controls positioning error • Internal or external direction control and separate limit switch for interfacing analog to digital or digital to analog converter

Part No.	Pakage	1	10	50
355186CB	DIP-40 ⊕	$48.45	$44.05	$40.00
355266CB	PLCC-44 ⊕	48.45	44.05	40.00

KAE

Industrial Motion Controllers for Brush, Brushless and Stepper Motors

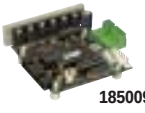
All JR Kerr Automation Engineering controllers include integrated power amplifiers. Up to 32 controllers can be daisy-chained from a single full-duplex RS485 port. For RS-232 to RS-485 adapter see P/N 184971CB (below).



184989CB



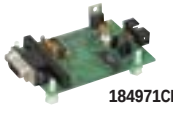
323942CB



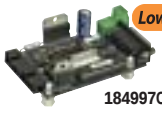
185009CB



323951CB



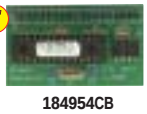
184971CB



184997CB



184962CB



184954CB

184989CB/323942CB: PIC-SERVO motor control board
- For brush-type DC motors with 2 or 3 channel incremental encoders
- P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
- Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
- Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps
- P/N 323942CB RS485 serial interface allows up to 32 PIC-SERVO controllers to be controlled from a single serial port

185009CB/323951CB: PIC-SERVO 3PH motor control board for brush or brushless motors
- For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
- High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
- Same features as 184989CB above but with support for linear & circular interpolation using the PIC-SERVO CMC chipset
- P/N 323951CB Amplifier capable of driving 6A continuously @ up to 48VDC

Part No.	Description	Size (L" x W" x H")	1	10
184989CB	PIC-SERVO ⊕	3.1 x 2.1 x 0.9	$184.69	$166.25
323942CB	KAE-T0VIO ⊕	3.1 x 2.1 x 0.9	159.95	143.95
185009CB	KAE-TOV5-BD3-PHV1 ⊕	3.1 x 3.1 x 1.0	271.79	244.69
323951CB	KAE-T0VIO ⊕	3.1 x 3.1 x 0.9	227.85	205.95

184971CB: Z232-485 serial port adapter
- Lets you operate the controllers above from any standard RS-232 port

184997CB: PIC-STEP motor control board
- Integrated indexer and driver for 2 or 4 phase stepper motors
- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
- Trapezoidal position profiling, velocity mode, up to 50,000 steps per second
- Limit switch inputs, general purpose outputs, step/dir outputs for use with external drivers

184962CB: PIC-I/O multifunction I/O control board
- 12 I/O bits software configurable as inputs or outputs • One counter input
- Three 8-bit analog inputs, two PWM outputs with high current drivers

184954CB: Simple sequencer stand-alone controller
- Programmable master controller for building stand-alone systems with the controllers above
- Plugs into a socket on the Z232-485 board (P/N 184971CB, above)

✪ Blue P/N = Limited Quantity Available

Part No.	Description	Size (L" x W" x H")	1	10
184971CB	Z232-485 ⊕	3.1 x 2.1 x 0.5	$59.95	$53.95
184997CB	PIC-STEP ⊕	3.1 x 2.1 x 0.9	159.95	143.95
184962CB	PIC-I/O ✪	3.1 x 2.1 x 0.6	~~$89.95~~ 82.59	75.15
184954CB	Simple sequencer	2.1 x 1.0 x 0.4	~~$59.95~~ 50.59	45.99

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

1.5-112VDC Motors

Jameco has a broad selection of DC Motors available for immediate delivery! In fact, we're the only place in the country where you can buy so many types off-the-shelf. And because of our broad selection, major custom-design motor manufacturers send their customers to us! Be sure to check out all the products below.

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Typical applications: • RC cars and airplanes • Arcade games • Vending machines • Office automation products • Motorized toys • Vacuum cleaners • Hair removers • Blow dryers • Tire pumps • Paper shredders • Cordless power tools • Christmas tree

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✪ Blue P/N = Limited Quantity Available

Part Number	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency Current (Amps)	Speed (RPM)	Torque (g-cm)	Efficiency	Terminal Type	Shaft Dia. (")	Shaft Length (")	Body Size (in) Dia. x Depth	Pricing 1	10	100
231917CB	FE-260-2670 ⊕	5	1.5	1.5-3	0.66	3700	10.5	42.9	Solder	0.078	0.314	0.937 x 1.063	$1.19	$1.01	$.76
231861CB	UE-260-2850	6	1.5	1.5-3	1.15	4260	13.4	34.9	Solder	0.078	0.314	0.944 x 1.063	~~$1.29~~ .89	.79	.75
231853CB	UE-260-2838	6	1.5	1.5-2.4	1.57	5600	15.5	39.0	Solder	0.078	0.314	0.944 x 1.063	~~$1.49~~ .95	.89	.79
232135CB	FF-050S-13130	3	2	2-4	0.11	3000	3	42.0	Solder	0.059	0.433	0.610 x 1.059	~~$2.99~~ 2.25	2.05	1.85
231909CB	FE-260-18130 ⊕	5	3	1.5-4.5	0.36	4780	10.3	49.6	Solder	0.078	0.314	0.937 x 1.063	1.19	1.01	.76
231888CB	UE-260-20120	6	3	1.5-4.5	0.45	4780	12.9	49.8	Solder	0.078	0.314	0.944 x 1.063	~~$1.49~~ .95	.89	.79
231790CB	PC-130F-18120	7	3	3-4.5	0.51	6260	8.1	35.6	Solder	0.078	0.377	0.803 x 0.984	~~$2.49~~ 1.65	1.49	1.35
231870CB	UE-260-2290	6	3	1.5-4.5	0.62	6400	12.9	47.1	Solder	0.078	0.314	0.944 x 1.063	~~$1.49~~ .95	.89	.79
231925CB	FE-260-2295 ⊕	5	3	1.5-4.5	0.63	6850	14	53.9	Solder	0.078	0.314	0.937 x 1.063	1.19	1.07	.95
232071CB	FC-280-2485 ⊕	1	4.5	4.5-7.2	0.88	7820	26	52.7	Solder	0.078	0.472	0.944 x 1.200	2.09	1.88	1.33
232080CB	FC-280-2865	1	4.5	4.5-6	1.38	9970	30.4	50.1	Solder	0.078	0.472	0.944 x 1.200	~~$2.09~~ 1.59	1.45	1.29
231765CB	PC-130SF-15160 ✪	7	4.8	3-9	0.42	4960	16.6	42.6	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
231984CB	UC-260-14275	6	6	6-12	0.21	4150	13.1	45.8	Solder	0.078	0.314	0.944 x 1.063	~~$1.79~~ 1.15	1.05	.95
231829CB	PC-280-16210	8	6	3-12	0.28	4260	18	47.6	Solder	0.078	0.433	0.944 x 1.200	~~$2.99~~ 1.89	1.75	1.59
231781CB	PC-130F-12240 ⊕	7	6	3-9	0.25	6800	7	33.4	Solder	0.078	0.377	0.803 x 0.984	2.49	2.24	2.02
231992CB	UC-260-18160 ⊕	6	6	3-9	0.57	7460	22.1	49.9	Solder	0.078	0.314	0.944 x 1.063	1.79	1.61	1.45
231811CB	PC-280-20125	8	6	3-9	0.57	7560	21.1	48.6	Solder	0.078	0.433	0.944 x 1.200	~~$2.99~~ 1.89	1.75	1.59
232063CB	FC-280-20120	1	6	4.5-9	0.60	7800	24.1	53.5	Solder	0.078	0.472	0.944 x 1.200	~~$2.09~~ 1.35	1.25	1.15
232143CB	FF-050S-11170 ⊕	3	7	1.5-9	0.17	8500	7	51.3	Solder	0.059	0.433	0.610 x 1.059	2.99	2.54	1.91
232151CB	FF-050S-09250	3	8	5-11.5	0.11	6300	7	51.4	Solder	0.059	0.433	0.610 x 1.059	~~$2.99~~ 1.95	1.75	1.59
231802CB	PC-130F-10370 ⊕	7	9	6-12	0.15	6410	8.5	43.9	Solder	0.078	0.377	0.803 x 0.984	2.49	1.89	1.69
231933CB	UC-280S-10450	9	12	12-24	0.11	2850	21.3	46.5	Solder	0.078	0.433	0.944 x 1.200	~~$2.99~~ 1.95	1.79	1.59
232012CB	MD5-12160 ⊕	10	12	12-24	0.30	4000	34.3	39.1	Solder	0.091	0.622	1.082 x 1.279	2.25	1.99	1.79
231968CB	UC-260-09530	6	12	12-24	0.12	4030	12.5	36.7	Solder	0.078	0.314	0.944 x 1.063	~~$1.79~~ 1.15	1.05	.95
231845CB	PC-280-10420	8	12	6-24	0.13	4270	14.5	43.6	Solder	0.078	0.433	0.944 x 1.200	~~$2.99~~ 1.89	1.75	1.59
231731CB	PC-130SF-09480 ⊕	7	12	6-24	0.11	4800	12.3	49.6	Solder	0.078	0.377	0.803 x 0.984	2.09	1.89	1.69
231749CB	PC-130SF-09400 ⊕	7	12	6-24	0.15	5130	14.3	42.5	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
231896CB	FE-260-08450 ⊕	5	12	6-12	0.11	5560	10.3	46.6	Solder	0.078	0.314	0.937 x 1.063	1.19	1.01	.85
231773CB	PC-130F-09490	7	12	6-18	0.51	6260	8.1	39.1	Solder	0.078	0.377	0.803 x 0.984	~~$2.49~~ 1.65	1.49	1.35
232160CB	FF-050S-08220	3	12	9-18	0.09	6270	5	31.5	Solder	0.059	0.433	0.610 x 1.059	~~$2.99~~ 1.95	1.75	1.59
231757CB	PC-130SF-10315	7	12	6-18	0.25	6350	20	44.6	Solder	0.078	0.377	0.803 x 0.984	2.49	2.12	1.59
232055CB	FC-280-12280	1	12	6-12	0.26	6840	21.4	48.6	Solder	0.078	0.472	0.944 x 1.200	~~$2.09~~ 1.35	1.25	1.15
231976CB	UC-260-12335 ⊕	6	12	6-12	0.24	7050	19.5	50.0	Solder	0.078	0.314	0.944 x 1.063	1.79	1.52	1.14
231837CB	PC-280-15265 ⊕	8	12	6-12	0.30	7230	25	52.5	Solder	0.078	0.433	0.944 x 1.200	~~$2.99~~ 1.89	1.75	1.59
232004CB	UC-280S-19160 ⊕	9	12	6-12	0.57	9000	46.6	63.4	Solder	0.078	0.433	0.944 x 1.200	2.55	2.29	2.09
232021CB	MD5-1885 ⊕	10	12	6-18	0.74	9820	53.5	60.7	Solder	0.091	0.622	1.082 x 1.279	2.25	1.99	1.79
231950CB	UC-280S-20145 ⊕	9	12	6-12	0.75	10000	55	64.0	Solder	0.078	0.433	0.944 x 1.200	2.55	2.29	2.09
232039CB	MD5-2070 ⊕	10	12	6-12	1.20	12150	62.2	54.1	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
232127CB	MD5-2554AS-AA	2	12	6-12	1.70	17000	72.9	62.4	Quick Connect	0.091	0.512	1.083 x 1.279	~~$4.29~~ 2.55	2.35	2.09
232119CB	MD5-2450AS-AA	2	12	6-12	2.00	17200	77.5	55.9	Quick Connect	0.091	0.512	1.083 x 1.279	~~$4.29~~ 2.55	2.35	2.15
232047CB	MD5-2445 ⊕	10	12	6-12	2.05	19850	79.7	66.0	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
231941CB	UC-280S-12285 ⊕	9	24	12-24	0.39	10300	54.4	62.4	Solder	0.078	0.433	0.944 x 1.200	2.99	2.69	2.42
232098CB	MD5-15120AS-AA	2	24	12-24	0.70	15100	66.7	61.5	Quick Connect	0.091	0.512	1.083 x 1.279	~~$4.29~~ 2.55	2.35	2.15
232101CB	MD5-1980AS-AA ⊕	2	24	12-24	1.43	22600	88.5	60.9	Solder	0.091	0.512	1.083 x 1.279	4.29	3.86	3.49
JAMECO ReliaPro (Mabuchi-Type)															
238465CB	RF-310TA-11400 (CCW) ⊕	11	2.5	1-6	0.06	2190	3.3	—	Solder	0.078	0.369	0.962 x 0.712	$2.49	$2.25	$1.99
238457CB	RF-300PA-11400 (CW) ⊕	12	3	1-3	0.07	2400	4.3	56.4	Wires	0.078	0.415	0.960 x 0.504	4.35	3.89	3.49
238511CB	RF-500TB-12560 ⊕	13	6	1.5-12	0.08	2180	11.6	50.6	Solder	0.078	0.385	1.259 x 0.767	4.49	3.82	2.86
238431CB	EG-530AD-6B (CCW) ⊕	14	6	4.2-7.5	0.13	2400	8	—	Solder	0.078	0.307	1.377 x 0.984	4.69	3.99	2.99
238422CB	EG-530AD-6F (CW) ⊕	14	6	4.2-7.5	0.13	2400	8	—	Solder	0.078	0.307	1.377 x 0.984	4.69	3.99	2.99
238449CB	EG-530AD-9B (CCW) ⊕	14	9	6-11	0.09	2400	8	—	Solder	0.078	0.307	1.377 x 0.984	4.69	3.99	2.99
238490CB	EG-530YD-9B (CCW) ⊕	14	9	6.3-11.7	.13/.14	2000/4000	10	—	Solder	0.078	0.307	1.377 x 0.984	6.85	5.82	4.37
238502CB	EG-530KD-2B (CCW) ⊕	14	12	8.4-15.6	0.08	1600	10	—	Solder	0.078	0.307	1.377 x 0.984	5.39	4.58	3.44
238473CB	RF-370CA-15370 ⊕	15	12	3-12	0.17	4840	187	—	Solder	0.078	0.346	0.960 x 1.213	5.55	4.72	3.54
238414CB	EG-530AD-2B (CCW) ⊕	14	12	8.4-15	0.07	2400	60	—	Solder	0.078	0.307	1.377 x 0.953	4.49	3.82	2.86
238406CB	EG-530AD-2F (CW) ⊕	14	12	8.4-15	0.07	2400	60	—	Solder	0.078	0.307	1.377 x 0.953	5.39	4.58	3.44
238481CB	EG-530YD-2B (CCW)	14	12	8.4-15	.13/.14	2000/4000	10	—	Solder	0.078	0.322	1.303 x 0.997	~~$6.29~~ 5.29	4.79	4.29
JAMECO ReliaPro (Hi-Torque)															
237391CB	29SYT003 ⊕	4	13.5	13.5	13	18000	509	—	Quick Connect	0.125	1.003	1.141 x 2.283	$5.95	$5.35	$4.85
237382CB	29SYT002 ⊕	4	24	24	0.93	2680	178	—	Wire	0.100	0.334	0.787 x 1.89	7.19	6.47	5.82
237403CB	40SYT002 ⊕	16	26	26	1.5	3000	815	—	Quick Connect	0.196	1.021	1.57 x 3.85	25.95	23.35	20.99
237374CB	29SYT001	4	112	112	0.93	2680	178	—	Wire	0.100	0.334	1.15 x 1.89	~~$7.19~~ 4.65	4.25	3.85

Fig. 1 

Fig. 2 

Fig. 3 

Fig. 4 

Fig. 5 

Fig. 6 

Fig. 7 

Fig. 8 

Fig. 9 

Fig. 10 

Fig. 11 

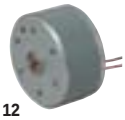
Fig. 12 

Fig. 13 

Fig. 14 

Fig. 15 

Fig. 16 

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

1.2VDC-24VDC Motors

Quantity SAVE



311976CB 295849CB 154915CB/ 154923CB 211246CB 388851CB 267231CB 177498CB 174692CB 206949CB 153656CB 267291CB

Part No.	Product No.	Manufacturer	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency Current (Amps)	@ Maximum Efficiency Speed (RPM)	@ Maximum Efficiency Torque (g-cm)	Efficiency	Terminal Type	Shaft Dia. (in.)	Shaft Length (in.)	Size (in.) (Dia. x Depth)	Pricing 1	Pricing 10	Pricing 100
311976CB	20519-34442	Johnson Electric	1.2	—	0.363	4692	130.4	55	0.08"/solder	0.08	0.33	1.00 x 1.20	$1.49	$1.27	$.95
295849CB	RF-310T-11400	Mabuchi Motor	2.5	1-6	0.060	2190	3.3	—	0.06"/solder	0.08	0.89	0.96 x 0.71	1.79	1.61	1.42
154915CB	ST-130-12240 ⊕ [1]	Star Motor	3	1.5-3	0.170	3588	7.4	55	0.09"/solder	0.08	0.37	0.79 x 1.13	1.09	.93	.69
154923CB	ST-130-22770 ⊕ [1]	Star Motor	3	1.5-3	1.150	12500	10.3	40	0.09"/solder	0.08	0.37	0.79 x 1.13	.99	.89	.79
211246CB	RC-260RA-2670	Mabuchi Motor	4.5	3-4.5	1.430	15290	21.8	53	0.11"/solder	0.08	0.28	0.93 x 1.06	~~$1.49~~ .79	.72	.66
388851CB	RF-500TB-14415	Mabuchi Motor	5	1.5-9	0.120	2540	12.6	—	0.07"/solder	0.07	0.34	1.26 x 0.97	3.99	3.59	2.69
267231CB	FRF-510-12620	Telco	6	3-12	0.030	2700	10.0	—	Wire w/ conn.	0.08	0.31	1.25 x 0.86	.99	.89	.79
177498CB	RC280RA-2485 ⊕	Mabuchi Motor	7.2	3-14	1.180	14260	33.3	57	11"/solder	0.08	0.43	0.95 x 1.20	1.75	1.55	1.39
174692CB	21226-384221 ⊕	Johnson Electric	12	9-14	0.015	3000	—	—	0.11"/solder	0.08	0.69	0.97 x 1.19	2.49	2.15	1.59
206949CB	QJT360S14280 ⊕	Nichibo	12	9-30	0.350	4930	44.5	52	0.11"/solder	0.09	0.45	1.09 x 1.30	1.69	1.52	1.36
153656CB	RS550PF ⊕ [2]	Mabuchi Motor	12	6-15	1.400	6500	44.1	—	0.15"/solder	0.13	0.66	1.45 x 2.25	3.29	2.99	2.69
267291CB	SUN-555A-LMRK	Telco	24	—	0.150	4100	84	—	Wire w/ conn.	0.13	0.40	1.45 x 2.25	2.99	2.69	2.45

[1] **154915CB/154923CB:** Use bushing P/N 162392CB, pg 304 [2] Manufacturer may vary

6VDC and 12VDC Reversible Gear Head Motors

JAMECO ReliaPro — A Jameco EXCLUSIVE

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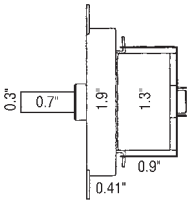
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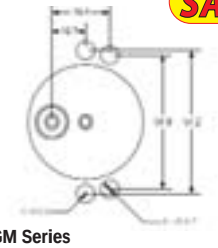


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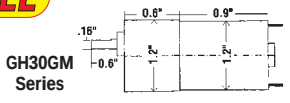


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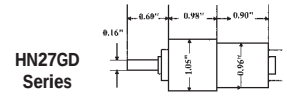




32GM Series



GH30GM Series



HN27GD Series

32GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	@ Maximum Efficiency Current (mA)	@ Maximum Efficiency Speed (RPM)	@ Maximum Efficiency Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	Pricing 10	Pricing 50
253403CB	32-009 ⊕	6	64	2.7	2500	450:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	$17.95	$16.15	$14.55
253391CB	32-008	6	60	3	2000	400:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	~~$17.95~~ 14.95	13.49	12.15
253382CB	32-007	6	57	3.2	1800	377:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	~~$17.95~~ 14.95	13.49	12.15
253374CB	32-006 ⊕	6	51	4	1680	300:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253340CB	32-005 ⊕	6	48	5	1600	240:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253323CB	32-004 ⊕	6	44	6	1500	200:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253315CB	32-003	6	40	6.3	1350	190:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	~~$17.95~~ 14.95	13.49	12.15
253307CB	32-002 ⊕	6	38	8	1200	150:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55
253227CB	32-001 ⊕	6	35	24	450	50:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	17.95	16.15	14.55

HN27GD Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency Current (mA)	@ Maximum Efficiency Speed (RPM)	@ Maximum Efficiency Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	Pricing 10	Pricing 50
167038CB	GH12-0953Y ⊕	12	4.5 – 24	90	9	1200	188:1	1.0 x 0.9	1.1 x 1.0	0.16 x 0.60	$16.49	$14.85	$13.39
167046CB	GH12-1828Y ⊕	12	4.5 – 24	195	31	1300	90:1	1.1 x 1.3	1.1 x 0.8	0.16 x 0.60	21.95	19.79	17.79

GH30GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency Current (mA)	@ Maximum Efficiency Speed (RPM)	@ Maximum Efficiency Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	Pricing 10	Pricing 50
170641CB	GH12-1828Y-10 ⊕	12	6.0 – 24	105	8	3500	332:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	$23.95	$20.36	$15.27
153437CB	GH12-1045Y ⊕	12	3.0 – 12	90	7	800	200:1	0.9 x 1.0	1.1 x 0.6	0.16 x 0.70	18.95	17.09	15.35
159417CB	GH12-1921Y ⊕	12	4.5 – 12	200	35	2000	132:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	21.95	19.79	17.79
162190CB	GH12-1324Y225 ⊕	12	4.5 – 12	145	176	300	30:1	1.0 x 0.9	1.1 x 0.6	0.16 x 0.70	16.95	15.25	13.75



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RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

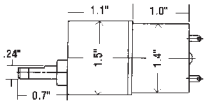
JAMECO ReliaPro

A Jameco EXCLUSIVE

12VDC and 24VDC Reversible Gear Head Motors

GH35GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	10	50
155011CB	GH12-1926 ⊕	12	4.5 – 12	250	2	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	$21.95	$19.79	$17.79
155820CB	GH12-1830Y-P ⊕	12	4.5 – 12	220	4.5	4500	1000:1	1.3 x 0.9	1.5 x 1.0	.23 x .90	21.95	19.79	17.79
155838CB	GH12-1641T-L ⊕	12	3.0 – 12	250	15	3000	270:1	1.3 x 0.9	1.5 x 0.8	.23 x .90	23.95	21.59	19.45
152910CB	GH12-1926Y ⊕	12	4.5 – 12	172	35	2370	100:1	1.3 x 1.0	1.5 x 0.7	.24 x .90	21.95	19.75	17.75
151440CB	GH12-1632TI ⊕	12	4.5 – 12	275	57	2200	100:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	21.95	18.55	16.69
155854CB	GH12-1641T-F ⊕	12	3.0 – 12	250	71	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	21.95	19.79	17.79
155862CB	GH12-1926Y-F ⊕	12	4.5 – 12	300	70	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	22.95	20.79	18.79
161373CB	GH12-1345T ⊕	12	4.5 – 12	185	116	650	30:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	23.95	21.59	19.45
161381CB	GH12-1634T ⊕	12	4.5 – 12	293	145	850	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	22.49	20.29	18.25
164785CB	GH12-1640Y ⊕	12	4.5 – 24	120	220	180	10:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	23.95	21.59	19.45
176049CB	GH12-1640Y00 ⊕	24	12 – 24	340	1.8	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	21.95	18.66	15.52
176031CB	GH24-1640Y06 ⊕	24	12 – 24	340	50	2000	90:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	22.49	20.25	18.39
176022CB	GH24-1640Y19 ⊕	24	12 – 24	340	148	1000	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	21.95	19.79	17.79



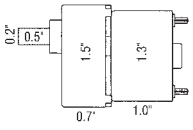
GH35GM Series



155011CB

38GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	@ Maximum Efficiency Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing 1	10	50
253534CB	38-010 ⊕	12	97	24	7500	250:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	$18.95	$17.09	$15.35
253526CB	38-009 ⊕	12	93.5	36	5400	167:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253518CB	38-008 ⊕	12	87.5	40	4800	150:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253500CB	38-007 ⊕	12	82	60	3200	100:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253497CB	38-006 ⊕	12	80	66	2100	90:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253489CB	38-005 ⊕	12	76	110	1300	56:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253471CB	38-004 ⊕	12	74	120	1100	50:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253462CB	38-003	12	68	180	800	33:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	~~$18.95~~ 15.95	14.39	12.95
253454CB	38-002 ⊕	12	65	200	700	30:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35
253446CB	38-001 ⊕	12	61.8	600	350	10:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	18.95	17.09	15.35



38GM Series



253446CB

Electromech

JAMECO ReliaPro

1.3VDC and 3VDC Vibrating Motors

A Jameco EXCLUSIVE

• Typical applications: cellular phones, pagers and toys

SALE Quantity SAVE

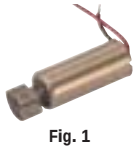


Fig. 1

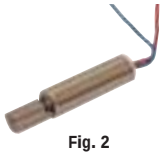


Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

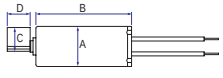


Fig. 3

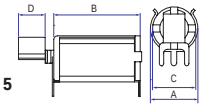


Fig. 5

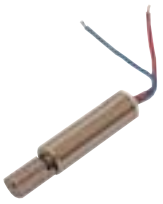
Part No.	Cross Ref. No.	Fig.	Operating Voltage (VDC @ mA)	Operating Range (VDC)	Rated RPM @ VDC	Lead Length (in.)	Motor Size (A x B) Dia." x Depth"	Shaft Size (C x D) Dia." x Length"	Pricing 1	10	100
175062CB	OTL-7AL ⊕	1	1.3 @ 62	0.70 - 1.60	7000 @ 1.3	0.7	0.28 x 0.67	0.10 x 0.18	$5.49	$4.94	$4.45
256356CB	7ZK642 ⊕	3	1.3 @ 70	1.00 - 1.60	7500 @ 1.3	4.7	0.28 x 0.66	0.18 x 0.22	4.65	4.19	3.75
256372CB	7ZK631	3	1.3 @ 70	0.80 - 1.60	7500 @ 1.3	1.1	0.28 x 0.66	0.12 x 0.16	~~$4.65~~ 3.65	3.19	2.75
175396CB	OTL-4AL ⊕	2*	1.3 @ 65	0.70 - 1.60	8500 @ 1.3	0.8	0.16 x 0.55	0.15 x 0.23	6.49	5.85	5.19
256305CB	6ZK003 ⊕	3	1.3 @ 80	0.85 - 1.60	8500 @ 1.3	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.99	2.69
256321CB	6ZK211 ⊕	5	1.3 @ 80	0.80 - 1.60	8500 @ 1.3	PC Term	0.27 x 0.48	0.11 x 0.11	3.29	2.80	2.10
256049CB	4ZK041 ⊕	3	1.3 @ 85	0.85 - 1.60	11000 @ 1.3	1.0	0.16 x 0.43	0.07 x 0.17	~~$5.95~~ 5.49	4.95	4.45
256241CB	5ZK011	3	1.3 @ 85	0.80 - 1.60	11000 @ 1.3	1.0	0.20 x 0.39	0.10 x 0.12	~~$5.29~~ 4.29	3.79	3.29
256364CB	7ZK692 ⊕	3	3.0 @ 60	2.40 - 3.00	6500 @ 3.0	4.7	0.28 x 0.66	0.18 x 0.22	4.65	4.19	3.75
256381CB	7ZK681 ⊕	3	3.0 @ 60	2.40 - 3.60	7500 @ 3.0	1.1	0.28 x 0.66	0.12 x 0.16	4.65	4.19	3.75
256313CB	6ZK053 ⊕	3	3.0 @ 75	1.60 - 3.60	8500 @ 3.0	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.99	2.69
256330CB	6ZK261	5	3.0 @ 75	2.40 - 3.00	8500 @ 3.0	PC Term	0.27 x 0.48	0.11 x 0.11	~~$3.29~~ 2.35	2.15	1.95
256250CB	5ZK061 ✪	3	3.0 @ 75	2.40 - 3.00	10000 @ 3.0	1.0	0.20 x 0.39	0.10 x 0.12	~~$5.29~~ 4.29	3.79	3.29
256090CB	4ZK091 ⊕	3	3.0 @ 80	2.40 - 3.60	11000 @ 3.0	1.0	0.16 x 0.43	0.07 x 0.17	5.95	5.35	4.85
					Other Manufacturers						
190078CB	6CD-1201WL-00	4*	1.3 @ 80	—	7500 @ 1.3	1.1	0.24 x 0.47	0.10 x 0.22	$6.55	$5.57	$4.18
185228CB	FM31E	6	3.0 @ 45	2.50 - 3.80	4500 @ 3.0	Solder pads	0.55 x 0.13	—	3.85	3.47	3.06

*More details on page 155 ✪ Blue P/N = Limited Quantity Available

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

1.3VDC 8,500 RPM Vibrating Motor

- Typical applications: cellular phones, pagers, and toys
- Rated RPM: 8,500 @ 1.3VDC
- Direction of rotation: clockwise
- Operating voltage: 1.3V @ 65mA (typical)
- Lead length: 0.75"
- Size: (motor) 0.16"Dia. x 0.55"L (shaft) 0.15"Dia. x 0.23"L



Part No.	Description	1	10	100
175396CB	Vibrating motor ⊕	$6.49	$5.85	$5.19

1.3VDC 7,500 RPM Vibrating Motor

- Typical applications: cellular phones, pagers and toys
- Rated RPM: 7,500 @ 1.3VDC
- Clock-wise rotation
- 1.1" lead wires
- Operating voltage: 1.3VDC @ 80mA
- Size: (motor) 0.47"L x 0.24"Dia. (shaft) 0.22"L x 0.10"Dia.



Quantity SAVE

Part No.	Description	1	10	100
190078CB	Vibrating motor	$6.55	$5.57	$4.18

120VAC Gear Motor

6.0 RPM - 2.9 Watt

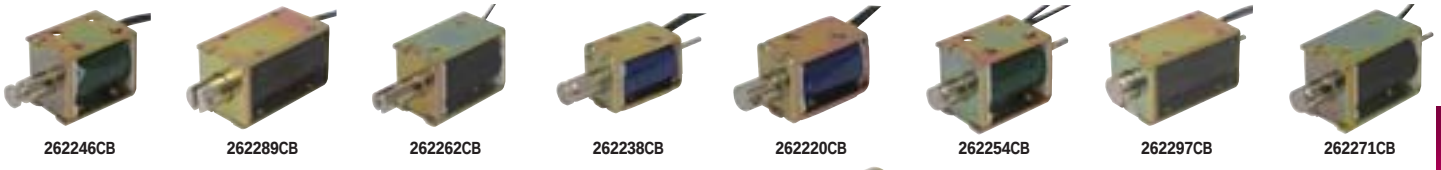


- Operating voltage: 120VAC @ 60Hz
- Torque: >3.6 kg-cm
- Connector: 12" wires
- Screw down tabs for mounting (2.3" diagonal mounting hole space)
- Shaft diameter: 0.27" • Shaft length: 0.65"
- Overall size: 2.0" Dia. x 1.0" thick
- Typical applications: air conditioner turnleaf motor, microwave turnplate motor

Part No.	Cross Ref. No.	1	10	100
213487CB	50TYZ ⊕	$14.95	$13.46	$12.11

Solenoids

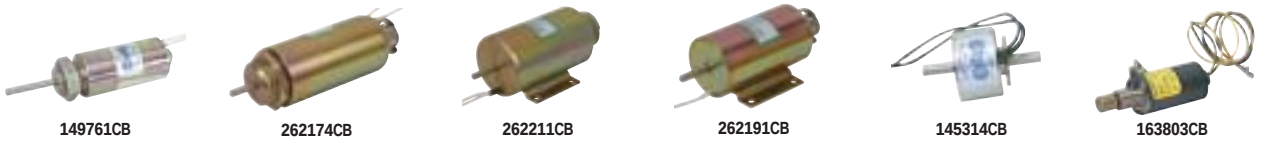
12VDC and 24VDC Continuous Push, Pull and Push/Pull Solenoids



262246CB 262289CB 262262CB 262238CB 262220CB 262254CB 262297CB 262271CB



262166CB 142463CB 262203CB 262182CB 215141CB 149753CB



149761CB 262174CB 262211CB 262191CB 145314CB 163803CB

SALE

A James EXCLUSIVE

Part No.	Cross Reference No.	Type	Voltage (VDC)	Coil Res. (±10%) (Ohms)	Power Consump. (W)	Holding Force (lbs. @ 20°C)	Stroke	Size L x Dia. (in.) †	Shaft Dia. (in.)	Wt. (lbs.)	Pricing 1	Pricing 10	Pricing 100
262246CB	SMO-0520L12STD ⊕	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.200	0.04	$5.69	$5.15	$4.69
262289CB	SMO-1253L12AA ⊕	Open frame-pull	12	26	6.0	0.90	0.24	2.0 x 1.2 x 1.1	0.470	0.50	11.89	10.69	9.65
262262CB	SMO-0837L12STD ⊕	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.310	0.21	7.29	6.56	5.90
262238CB	SMO-0415S12AA ⊕	Open frame-push	12	180	0.8	0.01	0.12	0.6 x 0.4 x 0.3	0.040	0.01	5.95	5.35	4.79
262220CB	SMO-0415L12AA ⊕	Open frame-pull	12	180	0.8	0.01	0.12	0.6 x 0.4 x 0.3	0.160	0.01	~~$4.79~~ 4.29	3.89	3.49
262254CB	SMO-0520S12STD ⊕	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.06/0.20*	0.04	~~$6.39~~ 5.99	5.39	4.85
262297CB	SMO-1253S12AA	Open frame-push	12	26	6.0	0.90	0.24	2.0 x 1.2 x 1.1	0.10/0.47*	0.50	~~$13.09~~ 9.95	8.99	8.09
262271CB	SMO-0837S12STD ⊕	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.08/0.31*	0.21	8.39	7.59	6.85
262166CB	SMT-1325L12STD ⊕	Tubular-pull	12	36	4.0	0.11	0.47	1.0 x 0.5	0.200	0.05	9.95	8.95	8.15
142463CB	SMT-1130L12A ⊕	Tubular-pull	12	36	4.0	0.63	0.40	1.6 x 0.4	0.150	0.04	6.95	6.26	5.63
262203CB	SMT-3864L24STD ⊕	Tubular-pull	24	34	17.0	1.32	1.18	2.5 x 1.5	0.620	1.10	29.95	26.95	24.29
262182CB	SMT-3257L24STD ⊕	Tubular-pull	24	44	13.0	3.30	0.70	2.3 x 1.3	0.500	0.65	19.59	17.69	15.89
215141CB	SMT-2251L24AA ⊕	Tubular-pull	24	60	10.0	4.00	1.00	3.0 x 1.0	0.440	0.40	10.95	9.86	8.87
149753CB	SMT-1325S12A ⊕	Tubular-push	12	36	4.0	0.75	0.47	1.9 x 0.5	0.063	0.05	9.95	8.96	7.92
149761CB	SMT-1632S12A ⊕	Tubular-push	12	21	7.0	1.50	0.24	2.5 x 0.6	0.098	0.10	10.95	9.86	8.87
262174CB	SMT-2551S24STD ⊕	Tubular-push	24	58	10.0	1.32	0.70	2.0 x 1.0	0.120	0.40	15.95	14.39	12.99
262211CB	SMT-3864S24STD ⊕	Tubular-push	24	34	17.0	1.32	1.18	2.5 x 1.5	0.160	1.10	31.39	28.19	25.39
262191CB	SMT-3257S24STD ⊕	Tubular-push	24	44	13.0	6.80	0.70	2.3 x 1.3	0.160	0.65	19.95	17.95	16.19
145314CB	SMT1913S12A ⊕	Tubular-push/pull	12	89	2.0	1.12	0.16	1.2 x 0.7	0.110	0.05	9.95	8.96	8.06
Other Manufacturers — Great Deals													
163803CB	A420-067074-01	Tubular-push	12	43	3.4	0.75	0.17	2.0 x 0.6	0.156	0.10	$9.95	$8.46	$6.34

†Open frame type dimensions: L" x W" x H"; *Dual shaft

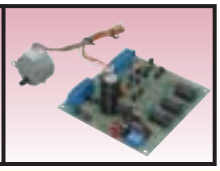
12VDC Solenoid Valve

- Operating voltage: 12VDC • Current: 350mA
- Operational temperature: -29˚C to 85˚C
- Air leakage: 1c.c./min. max. 4psi • 0.250" quick disconnect terminals



Part No.	Description	Size	1	10	100
169834CB	Solenoid valve ⊕	1.2"L x 0.92" Dia.	$6.95	$6.25	$5.59

Motor Kits
See page 301 for our selection.



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

RoHS RoHS Compliant Product ⊕ RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

Miniature Basic Switches

- 3 terminals: common; normally open; normally closed
- Size: 1.10"L x 0.40"W x 0.63"H


159572CB

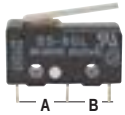

159581CB/187792CB


187805CB

Part No.	Product No.	Manufacturer	Actuator Type	Contact Form	Contact Rating	Resistance (initial)	Service Life (Mech./Elec.)	Terminal Type	Pricing 1	10	100
159572CB	VS10N051C⊕	Highly Electric	Hinge roller (0.60"L)	SPDT-NC	10A@125VAC, 10A@250VAC	15milliΩ (max.)	10M/100k	.183" quick connect	$2.89	$2.54	$2.28
159581CB	VS10N021C2⊕	Highly Electric	Hinge lever (1.05"L)	SPDT-NC	10A@125VAC, 10A@250VAC	15milliΩ (max.)	10M/100k	.183" quick connect	2.45	2.25	1.99
187792CB	V-10G2-1C24K⊕	Omron	Hinge lever (1.08"L)	SPDT-NC	0.1A@125VAC, 10A@250VAC	30milliΩ (max.)	50M/300k	.183" quick connect	2.45	2.25	1.99
187805CB	V-10G3-1C24K⊕	Omron	Long hinge lever (2.01"L)	SPDT-NC	0.1A@125VAC, 10A@250VAC	30milliΩ (max.)	50M/300k	.183" quick connect	2.75	2.48	2.29

Subminiature Basic Switches

- Economical, subminiature basic switch offers long service life
- Free from overtravel restrictions, permits easy setting
- Lead spacing: A = 0.35"; B= 0.29"
- Dimensions: 0.78"L x 0.25"W x 0.40"H



187709CB


187733CB


159599CB

Part No.	Product No.	Manufacturer	Actuator Type	Contact Form	Contact Rating	Contact Force	Service Life (Mech./Elec.)	Terminal Type	Pricing 1	25	50
187709CB	SS-5GL⊕	Omron	Hinge lever (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	50g	30M/200k	Solder	$1.59	$1.45	$1.29
187733CB	SS-5GL2⊕	Omron	Hinge roller (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	50g	30M/200k	Solder	1.25	1.15	1.09
159599CB	SS0505A⊕	Highly Electric	Hinge roller (0.7"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	45g	30M/200k	Solder SALE	1.19	.99	.89

D2F Series Subminiature Snap-Action Switches

Super compact for PCB mounting. Ideal for a wide variety of applications from household appliances and office equipment to audio and communications equipment.



- Dimensions: 0.50"L x 0.23"W x 0.26"H
- Long life span assured by high-precision dual spring reverse-action mechanism
- Contact form: SPST
- Contact rating: 3A @ 125VAC; 2A @ 30VDC
- Flux penetration prevented by using an insert terminal and allowing a height difference at the case bottom

Part No.	Product No.	Actuator Type	Contact Type	Contact Force	1	25	50
188867CB	D2F-L⊕	Hinge lever	General purpose	Standard (80g)	$.89	$.83	$.79

Snap Action Switches

Sub-miniature
- 5A @ 250VAC • Terminal: solder



Miniature
- 10A, 15A or 20A @ 125/250VAC
- Terminal type: screw or quick connect

General Purpose • 15A or 20A @ 125/250VAC
- Terminal type: solder, screw or quick connect

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC Snap Action Switch Offering at www.Jameco.com/Prod/GCSnap

Subminiature Snap-Action Switches


DH3 Series


DG Series


DB Series


DA Series


DC Series


E7 Series

DH3/DH4 Series
- Electrical rating: **DH3:** 50 to 300mA @ 30VDC; **DH4:** 5 to 50mA @ 30VDC
- Ultraminiature dimensions • Specially designed for low switching currents/voltages
- Temp. rating: -25°C to +70°C • UL94V-0 flammability rating

DG1/DG2 Series
- UL1054 ratinng: **DG1:** 3A, 125VAC; 2A, 30VDC; **DG2:** 0.05A, 30VDC
- Depending on model, contact rating is suitable for low switched currents and voltages for light-current applications with loads of up to 3 amps 125VAC
- Temp. rating: -25°C to +85°C • UL94V-0 flammability rating
- Electrical life @ rated load: 6000 cycles min. • Small dimensions

DB1/DB2/DB3 Series
- UL1054 rating: **DB1:** 5A, 125/250VAC; **DB2:** 10.1A, 125/250VAC; **DB3:** 0.1A, 125/250VAC
- High-precision switch with high repeat accuracy
- Temp rating: -40°C to +85°C • UL94V-0/ UL or 94HB flammability rating
- Electrical life @ rated load: 6000 cycles min.

DA3 Series
- UL1054 rating: 0.1A, 125VAC • UL94V-0 flammability rating
- Temp. rating: -40°C to +85°C • Electrical life @ rated load: 100,000 cycles min.

E61/E62/E63 Series
- UL1054 rating: **E61:** 5A, 125/250VAC; **E62:** 10.1A, 125/250VAC; **E63:** 0.1A, 125VAC
- Temp rating: -40°C to +85°C • UL94HB flammability rating
- Electrical life @ rated load: 6000 cycles min. • Long life coil spring mechanism

DC1/DC2/DC3 Series Sealed
- UL1054 rating: **DC1:** 5A, 125/250VAC; **DC2:** 10.1A, 125/250VAC; **DC3:** 0.1A, 125/250VAC
- Temp. rating: -40°C to +85°C • UL94V-0 or UL 94HB flammability rating
- Electrical life @ rated load: 6000 cycles min.

E72/E73 Series Sealed
- UL1054 rating: **E72:** 10.1A, 125/250VAC; **E73:** 0.1A, 125VAC
- Moisture resistant • Long life coil spring mechanism
- Temp. rating: -40°C to +85°C • UL94V-0 flammability rating
- Electrical life @ rated load: 6000 cycles min.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Cherry Subminiature Snap Action Offering at www.Jameco.com/Prod/CherrySubSnap

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Miniature Snap-Action Switches


D4 Series


DN Series


E2 Series

D41/D42/D43/D44/D45/D48 Series

- UL1054 rating: **D41:** 0.1A, 125/250VAC; **D42:** 3A, 125/250VAC; **D43:** 5A, 125/250VAC; **D44:** 10A, 125/250VAC; **D45:** 15A, 125/250VAC; **D48:** 21A, 125/250VAC
- Long-life coil spring mechanism
- Temp. rating: -40°C to +85°C
- UL94V-0 flammability rating
- Electrical life@ rated load: 6000 cycles min.

DN3 Series

- UL1054 rating: 0.1A, 125VAC
- Plug-in connector
- Temp. rating: -40°C to +85°C
- UL94V-0 flammability rating
- Electrical rating @ rated load: 6000 cycles min.

E21/E22/E23/E31/E33/E34/E36 Series

- UL1054 rating: **E21:** 0.1A, 125VAC; **E22:** 3A, 125/250VAC; **E23:** 5A, 125/250VAC; **E31:** 1A, 125VAC **E33:** 10A, 125/250VAC; **E34:** 15A, 125/250VAC; **E36:** 25A, 125/250VAC
- Long-life coil spring mechanism
- Temp rating: -40°C to +85°C
- UL94HB flammability rating
- Electrical life @ rated load: 6000 cycles min.

E51/E53 Series

- UL1054 rating: **E51:** 6A, 250VAC; **E53:** 0.1A, 125VAC
- Long life coil spring mechanism
- Low torque rotary actuation
- Temp rating: -40°C to +85°C
- UL94HB flammability rating
- Electrical life @ rated load: 6000 cycles min.

K Series

- UL1054 rating: **KWA/KWB:** 50mA, 28VDC; **KWE/KWF:** 3A, 125/250VAC; **KWG/KWH:** 5A, 125/250VAC; **KWJ/KWK:** 10A, 125/250VAC **KWM:** 15.1A, 125/250VAC; **KWS:** 25A, 125/250VAC
- Long mechanical life
- Wiping contact action
- Temp. rating: -40°C to +85°C
- UL94V-0 flammability rating
- Electrical life @ rated load: 100,000 cycles min.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Cherry Snap Action Offering at www.Jameco.com/Prod/CherryMiniSnap

General Purpose Snap-Action Switches

GP Series Heavy Duty

- Electrical rating: 15A, 250VAC (UL); 15A, 250V (VDE)
- Ultra-small travel differential
- Mechanical life tested to 1 million cycles
- Temp. rating: -20°C to +85°C


GP Series

E13/E14/E19/E19A/E20/E30/G13 Series

- UL1054 rating: **E13/E19:** 15A, 125/250VAC; **E19A:** 15A, 125/250VAC; 0.1A, 125VAC **E14:** 25A, 125/250VAC; **E20:** 20A, 125/250VAC; **E30:** 30.1A, 125/250VAC; **G13:** 0.1A, 125VAC
- Long-life coil spring mechanism
- Temp rating: 105°C
- UL 94HB flammability rating
- Electrical life @ rated load: 6000 cycles min.


E Series

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Cherry Snap Action Offering at www.Jameco.com/Prod/CherrySnap

Snap-Action Switches


A Series


LC Series


TF Series

A Series General Purpose

- Low cost—high performance
- Contact rating: 30.1A @ 277VAC
- Insulation resistance: 1000MΩ min.
- Operating temp.: -55°C to +85°C
- Dielectric strength: 1000V_{RMS} @ sea level

LC Series Subminiature Precision

- Long life and high electrical capacity
- Contact rating: 10.1A @ 250VAC
- Insulation resistance: 1000MΩ min.
- Operating temp.: -25°C to +85°C
- Dielectric strength: 1000V_{RMS} @ sea level

MM Series Miniature Subminiature Precision

- Low level and power switching
- Long electrical & mechanical life
- Increased overtravel
- Reliable snap-acting mechanism
- Contact rating: 7A @ 250VAC
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level
- Operating temp.: -55°C to +135°C

TM Series Miniature

- Cost-effective solution
- Contact rating: 15A @ 250VAC
- Insulation resistance: 1000MΩ min.
- Operating temp.: -55°C to +150°C
- Dielectric strength: 1000V_{RMS} @ sea level

TF Series Miniature

- Broad range or operating forces
- Contact rating: 25A @ 277VAC
- Insulation resistance: 1000MΩ min.
- Operating temp.: -40°C to +85°C
- Dielectric strength: 1500V_{RMS} @ sea level

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete C&K Snap-Action Switch Offering at www.Jameco.com/Prod/CKSnap

Thumbwheel Switches

3 Series Standard

- Spacers available to fit most panel cutouts
- Contact rating: carry: 1A continuous, switch: 100mA max.
- Insulation resistance: 1000MΩ min.
- Operating voltage: 50mV to 28VDC/120VAC
- Operating temp.: -10°C to +65°C


3 Series


3P Series

3P & 3U Series Tiny

- Snap-in front mount design for easy assembly
- Contact rating: carry: 1A continuous, switch: 0.4VA max, 100mA max., 28VDC
- Insulation resistance: 1000MΩ min.
- Operating voltage: 50mV to 28VDC/120VAC
- Operating temp.: -10°C to +65°C


3U Series

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete C&K Thumbwheel Switch Offering at www.Jameco.com/Prod/CKThumbwheel

Alcoswitch Pushwheel Switches

- Contact rating: 0.4VA @ 20VDC
- Operating temp: -20°C to +80°C
- Front mount
- Mechanical life: more than 1,000,000 operations



SMCD Series Mini Bidirectional

- Large visible readout characters
- Protected by dust-sealed windows
- Snap together grouping and snap-in panel mounting minimize installation time and cost

DPS9 Series Bidirectional

- Dual pushbutton code switches have identical height but differ in width
- Can directly retrofit common thumbwheel switches

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Alcoswitch Pushwheel Offering at www.Jameco.com/Prod/AlcoPushwheel

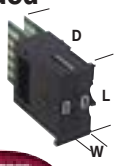


Pushbutton Binary Coded Decimal (BCD) Switch

26788CB (2 switches shown)

Thumbwheel Binary Coded Decimal (BCD) Switch

(2 switches shown) 26817CB



A Jameco EXCLUSIVE

Pushbutton and Thumbwheel Switch Specifications:

- Contact resistance: 100mΩ max.
- 1/16" maximum panel thickness
- Gold plated BE-CU alloy contacts
- 0.15A @ 50VAC/28VDC
- Break before make
- Operating temperature: -40°C to +85°C
- Continuous load: 1 amp max.
- Front snap-tab mounting with end plates
- Switches snap together

Part No.	Cross Ref. No.	Description	Size (L" x W" x D")	Character Height	Pricing 1	10	50	100
26788CB	MX72 ⊕	10-position pushbutton	1.2 x 0.3 x 1.7	0.19"	$5.69	$5.15	$4.65	$4.15
26761CB	MXEP2 ⊕	Mounting end plates for 26788	1.2 x 0.2 x 1.1	—	1.15	.99	.89	.79
26817CB	MX83 ⊕	10-position thumbwheel	1.2 x 0.3 x 1.9	0.25"	4.49	3.95	3.55	3.19
26770CB	MXEP3 ⊕	Mounting end plates for 26817	1.2 x 0.2 x 1.3	—	1.05	.88	.84	.77

SPST Round Keylock Switches

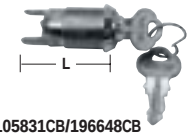
- Used in computer & other security systems
- Key removable from 2 positions • Two keys
- Mounting hole = 0.75" except P/N 106649CB = 0.5"

196648CB: all keys are alike
Includes: Mounting nut

A Jameco EXCLUSIVE



106649CB



105831CB/196648CB

Part No.	Cross Ref. No.	No. Flat, Dia.	Length	Terminal	Voltage/Current	Pricing 1	10	50	100
106649CB	KS4B ⊕	2, 0.21"	0.55"	Barrel	125VAC/3A	$3.59	$3.29	$2.89	$2.49
105831CB	KS3B ⊕	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	3.99	3.59	3.29	2.99
196648CB	3313E-M ⊕	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	4.49	3.99	3.65	3.29

Keylock Switches

A Series 4 & 5 Tumbler 1-4 Poles

- Low level and power capability
- Contact rating: 2.5A @ 125VAC; 350mA @ 125VDC
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level
- PCB mounting
- Multi-pole and multi-position
- Operating temp.: -30°C to +85°C



A Series

BY Series 4 Tumbler Value Added Security

- Anti-static switch
- Contact rating: 4A @ 125VAC/28VDC; 2A @ 250VAC
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level
- Removable lock core
- Snap-together assembly



BY Series

H Series 4 & 6 Tumbler Power

- Positive detent
- Snap-together assembly
- Contact rating: 12A @ 125VAC; 6A @ 250VAC; 1A @ 125VDC
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level
- Multi-pole and multi-position
- Power switching
- Operating temp.: -30°C to +85°C



P Series

P Series 4 Tumbler Snap-in

- Positive detent
- Contact rating: 4A @ 125VAC; 1A @ 250VAC
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level
- Multi-pole and multi-position
- Snap-in mounting



Y Series

W Series 4 & 6 Tumbler

- International listings
- Contact rating: 4A @ 125VAC; 2A @ 250VAC
- Insulation resistance: 1000MΩ min.
- Quick connect termination
- Dielectric strength: 1000V_{RMS} @ sea level

Y Series 4, 5 & 6 Tumbler

- Anti-static switch – exceeds 20 kV DC static resistance
- Contact rating: 4A @ 125VAC/28VDC; 2A @ 250VAC
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

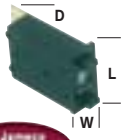
See Our Complete C&K Keylock Switch Offering at www.Jameco.com/Prod/CKKeylock

Commercial Customers

Open an account with us to consolidate your monthly billing and to save time. Just call us! 1-800-831-4242

Mini Pushbutton BCD Switch

- Operating temperature: -10°C to +65°C
- 28VDC @ 10A • Break before make
- Switches snap together
- Positive logic ("0" all open output)
- Size L = 0.59", W = 0.30", S = 1"
- Character height: 0.12"



A Jameco EXCLUSIVE

Part No.	Cross Ref. #	Description	1	10	100
136557CB	MX061 ⊕	10-position straight	$3.79	$3.41	$3.06

Pushwheel Switches



PA Series PB Series PE Series C2 Series

- Electrical rating: 0.1A/50V
- Mechanical life: 1,000,000 cycles
- Temp. rating: -20 bis +80°C

PA Series: Very small sizes for front-mounting

PB Series: Only 6mm width for compact building of blocks with a larger number of modules

PE Series: For easy snap in front-mounting

609 Series Accessories for Assembly

- Left and right end caps, housings and spacers for PA, PB and PE series

C2 Series Connectors

- Make the connection of the selector switches very easy. Available with and without flange and with solder pin or solder lugs. For PA and PE series

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Pushwheel Switch Offering at www.Jameco.com/Prod/CherryPushwheel

Alcoswitch Keylock Switches



SKT Series

- Contact rating: Gold - 0.4VA max. @ 20VDC or peak AC; Silver - 3A @ 125VAC/ 28VDC resistive
- Insulation resistance: 1000MΩ @ 500 VDC min.
- Dielectric strength: 1000 Volts @ sea level
- Operating temp.: -30°C to +85°C

SKF Series

- Contact rating: 1A @ 120VAC resistive
- Initial contact resistance: 50mΩ max.
- Operating temp.: -30°C to +85°C

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch Keylock Switch Offering at www.Jameco.com/Prod/AlcoKeylock

Keylock Switches

- 2.5A or 4A @ 125VAC
- 2A @ 250VAC
- Terminal type: wire leads, screw, solder eyelet or solder lug



NEW ON THE WEB

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC Rotary Switch Offering at www.Jameco.com/Prod/GCKeylock

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

JAMECO ValuePro

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Pushbutton Switches


Fig. 1


Fig. 2

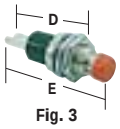


Fig. 3


Fig. 4

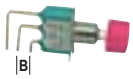


Fig. 5

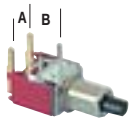


Fig. 6


Fig. 7

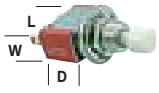


Fig. 8


Fig. 9

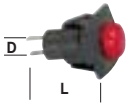


Fig. 10



Fig. 11


Fig. 12

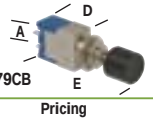
Part No.	Cross Ref. No.	Fig.	Pins	Mounting Hole Dia.	Type ( ) Momentary	Dimensions (L" x W" x D")	Lead Spacing A"	Lead Spacing B"	Contact Rating	Terminal Type	Button Color	Pricing 1	10	100	500	1000
315432CB	R13-23A-R ⊕	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	$1.29	$1.20	$.99	$.92	$.87
315483CB	R13-23B-R ⊕	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	1.29	1.19	.99	.92	.87
315441CB	R13-23A-B ⊕	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Black	1.29	1.19	.99	.92	.87
315491CB	R13-23B-B ⊕	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Black	1.29	1.19	.99	.92	.87
315459CB	R13-23A-BL ⊕	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Blue	1.29	1.19	.99	.92	.87
315504CB	R13-23B-BL ⊕	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Blue	1.29	1.19	.99	.92	.87
315467CB	R13-23A-W ⊕	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	White	1.29	1.19	.99	.92	.87
315512CB	R13-23B-W ⊕	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	White	1.29	1.19	.99	.92	.87
315475CB	R13-23A-Y ⊕	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Yellow	1.29	1.19	.99	.92	.87
315521CB	R13-23B-Y ⊕	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Yellow	1.29	1.19	.99	.92	.87
315598CB	R13-40A-R ⊕	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Red	1.35	1.23	1.10	.99	.93
315619CB	R13-40B-R ⊕	2	2	31/64"	SPST off-on	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Red	1.59	1.45	1.33	1.21	1.13
315580CB	R13-40A-B ⊕	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Black	1.35	1.23	1.10	.99	.93
315601CB	R13-40B-B ⊕	2	2	31/64"	SPST off-on	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Black	1.59	1.45	1.33	1.21	1.13
26622CB	MS102 ⊕	3	2	1/4"	SPST off-(on)	.65 (D) x 1.10 (E)	—	.14	3A @ 125VAC	Solder lugs	Red	.55	.50	.45	.35	.29
26649CB	MS103 ⊕	3	2	1/4"	SPST on-(off)	.65 (D) x 1.10 (E)	—	.17	3A @ 125VAC	Solder lugs	Black	.55	.50	.45	.35	.29
315643CB	R13-81-R ⊕	4	2	13/64"	SPST off-(on)	.44 (D) x .78 (E)	.08	—	.5A @ 125VAC	PC terminal	Red	1.45	1.32	1.19	1.06	.94
315635CB	R13-81-B ⊕	4	2	13/64"	SPST off-(on)	.44 (D) x .78 (E)	.08	—	.5A @ 125VAC	PC terminal	Black	1.45	1.32	1.19	1.05	.94
154879CB	PS11-123 ⊕	5	3	1/4"	SPDT on-(on)	.50 x .27 x .37	—	.14	5A @ 125VAC	Solder, right angle	Red	1.99	1.89	1.79	1.69	1.59
71642CB	SWB210 ⊕	6	2	7/32"	SPST off-(on)	.36 x .20 x .33	.20	.20	1A @ 120VAC	PC right angle	Black	2.19	1.99	1.78	1.60	1.39
202999CB	BB16	7	3	1/4"	SPDT on-on	.39 x .35 x .35	.18	.10	0.1A @ 28VAC	Solder right angle	White	1.18	1.09	.90	.85	.82
121304CB	CK8121 ⊕	8	3	1/4"	SPDT on-(on)	.52 x .27 x .38	—	.185	5A @ 125VAC	Solder lugs	White	3.59	3.25	2.95	2.65	2.39
28062CB	PB126 ⊕	8	3	1/4"	SPDT on-(on)	.52 x .28 x .38	—	.185	5A @ 120VAC	Solder lugs	Red	3.69	3.35	2.99	2.69	2.45
355451CB	J1881 ⊕	9	2*	3/8"	SPST on-(off) Alt†	.65 x .52 x .40	.25	—	2A @ 14VAC	5" Pigtail	White	1.19	1.09	.94	.83	.72
355469CB	J1882 ⊕	9	2*	3/8"	SPST off-(on)	.65 x .52 x .40	.25	—	2A @ 14VAC	5" Pigtail	Red	1.09	.98	.88	.79	.70
174414CB	R13-510A ⊕	10	2	1/2"	SPST off-(on)	.67 (L) x .31 (D)	—	.167	3A @ 125VAC	Solder lugs	Red	.79	.78	.77	.74	.69
Other Manufacturers																
154878CB	PS11-123	5	3	1/4"	SPDT on-(on)	.50 x .27 x .37	—	.14	5A @ 125VAC	Solder, right angle	Red	$1.79	$1.70	$1.61	$1.51	$1.43
200774CB	TPI2SH8AQE	7	3	7/32"	SPDT off-(on)	.32 x .20 x .33	.20	.10	1A @ 120VAC	PC right angle	Black	4.79	4.35	3.65	2.75	1.99
22200CB	J1881 ⊕	11	2*	3/8"	SPST on-off, Alt†	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	White	1.09	.98	.83	.67	.50
22218CB	J1882 ⊕	11	2*	3/8"	SPST off-(on)	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	Red	.99	.88	.79	.71	.62
307889CB	DS133	12	2	29/64"	SPST off-(on)	1.03 x .56 x .46	—	—	10A @ 125VAC	Solder Lugs	Black	4.15	3.75	3.49	3.14	2.83

† Alt = alternate action *Lead wires

JAMECO ValuePro

Miniature Pushbutton Switches

• 6A@125V or 3A@250V • Epoxy sealed • Material: Alkyd base (UL94V-0), stainless steel cover



315379CB

Part No.	Cross Ref. No.	Pins	Mounting Hole Dia.	Type ( ) Momentary	Dimensions (D" x E")	Lead Spacing A"	Lead Spacing B"	Contact Rating (A @ VAC)	Terminal Type	Button Color	Pricing 1	10	100	500	1000
315395CB	PA101A1-B/BL ⊕	2	1/4"	SPST on-off	1.2 x 1.7	.185	—	6 @ 125	Solder	Black	$2.79	$2.53	$2.28	$2.05	$1.93
315387CB	PA101A1-R/BL ⊕	2	1/4"	SPST on-off	1.2 x 1.7	.185	—	6 @ 125	Solder	Red	2.79	2.53	2.28	2.05	1.93
315379CB	PA102A1-B/BL ⊕	3	1/4"	SPDT on-on	1.2 x 1.7	.185	—	6 @ 125	Solder	Black	2.89	2.63	2.37	2.14	1.99
315408CB	PA102A1-R/BL ⊕	3	1/4"	SPDT on-on	1.2 x 1.7	.185	—	6 @ 125	Solder	Red	2.89	2.63	2.37	2.14	1.99
Other Manufacturers															
447072CB	TP32Y0030050†	3	1/4"	SPST on-on	0.7 x 0.8	.11	—	0.4 @ 20	Solder	Black	$2.59	$2.37	$2.13	$1.90	$1.75

† Sub miniature

Switchcraft®

Button-Switch® & Cord-Switch®

297300CB: Button-Switch®

• SPST-on (on) • Color: black • Mounting hole size: .469" • Panel thickness: .297" max.
• Rating: 250mA, 30W maximum, AC, non-inductive load • Compatible with P/N 297502CB

297502CB: Cord-Switch®

• Copper alloy plated housing and switch bushing • Maximum cable side diameter: .375"
• SPST-on (on) red pushbutton switch (same rating as P/N 297300CB) • Plastic insulation


297300CB


297502CB

Part No.	Product No.	Description	1	10	25
297300CB	913 ⊕	Button-switch	$2.55	$2.36	$2.23
297502CB	ED903 ⊕	Cord-switch	10.49	8.55	8.43

Switch Grab Bags

18235CB: 50 pcs. assorted – toggle, pushbutton, rocker and slide switches
135378CB: 1 lb. (appox. 135 pcs.) assorted – toggle, pushbutton, rocker and slide switches


18235CB

Part No.	Cross Ref. No.	Wt. (lbs.)	1	10
18235CB	GB165	0.4	$8.75	$7.69
135378CB	GB165LB	1.0	18.95	16.95

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Mountain Switch — Pushbutton Switches

- Contact rating: 3A @ 125VAC • 2-pin • Lead type: solder terminal

164566CB /164638CB: Contact rating: .5A @ 125VAC **164582CB /164671CB:** Contact rating: 1A @ 125VAC
106112CB: Contact rating: 3A @ 110VAC


Figure 1


Figure 2


Figure 3


Figure 4


Figure 5


Figure 6


Figure 7


Figure 8

Miniature Soft Touch Switches

Part No.	Product No.	Fig.	Type ( ) Momentary	Dimensions	Lead Spacing	Thread Diameter	Button Color	Pricing 1	10	100	500
164494CB	DS450R ⊕	1	SPST off-on	1.2"L x .59"Dia.	.175"	.387"	Red	$2.09	$2.05	$1.97	$1.88
164486CB	DS463R ⊕	1	SPST off-(on)	1.2"L x .59"Dia.	.175"	.387"	Red	2.15	2.05	1.95	1.85
164523CB	DS466R ⊕	2	SPST off-(on)	1.2"L x .60"Sq.	.160"	.383"	Red	1.95	1.87	1.81	1.74
164558CB	DS471R ⊕	3	SPST off-(on)	1.2"L x .75"Sq.	.160"	.387"	Red	2.39	2.29	2.19	2.09

Standard Touch Switches

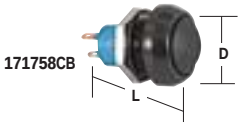
Part No.	Product No.	Fig.	Type ( ) Momentary	Dimensions	Lead Spacing	Thread Diameter	Button Color	Pricing 1	10	100	500
164566CB	MS402R ⊕	4	SPST off-(on)	.73"L x .22"Dia.	.078"	.190"	Red	$1.15	$1.14	$1.10	$1.06
164582CB	DS016B ⊕	5	SPST off-(on)	.88"L x .46"Dia.	.220"	.354"	Black	1.59	1.54	1.48	1.42
164638CB	MS3120R ⊕	6	SPST off-(on)	1.1"L x .31"Dia.	.175"	.268"	Red	1.65	1.49	1.34	1.26
164671CB	NS801MOB ⊕	7	SPST off-(on)	1.1"L x .59"Dia.	.213"	.468"	Black	2.45	2.05	1.94	1.77
106112CB	DS412R ⊕ *	8	SPST off-(on)	.63"L x .66"Dia.	.275"	.750"	Red	1.05	1.03	.99	.98

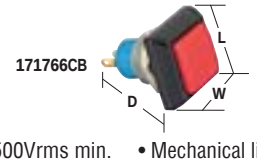
* Solder lugs

Electromech

APEM — Pushbutton Switches

IP and AV Series Panel Mount Pushbutton Switches







171758CB /171766CB: IP Series

- Initial contact resistance: 50mΩ max.
- Insulation resistance: 1GΩ min. @ 500VDC • Mounting hole: 1/2"Dia. • Dielectric strength: 1500Vrms min. • Mechanical life: 1,000,000 cycles min.

171774CB: AV Series

- Initial contact resistance: 10mΩ max. • Insulation resistance: 1000MΩ min. • Mounting hole: 3/4"Dia. • Dielectric strength: 1000Vrms min.

Part No.	Product No.	Pins	Type ( ) Momentary	Dimensions L	W	D	Lead Spacing	Contact Rating	Terminal Type	Pricing 1	10	100	250
171758CB	IPR3SAD2 ⊕	2	SPST off-(on)	0.82"	—	0.46"	0.19"	0.2A @ 250VAC	Solder	$10.39	$9.35	$8.45	$7.49
171766CB	IPC3SAD6 ⊕	2	SPST off-(on)	0.82"	0.69"	0.46"	0.19"	0.2A @ 250VAC	Solder	10.39	9.35	8.45	7.49
171774CB	AV191003C900 ⊕	2	SPST off-(on)	1.20"	—	0.87"	0.37"	0.2A @ 48VDC	Screw	11.95	10.84	9.75	8.79

CHERRY — Panel Mount/Line Interrupt Pushbutton Switches

- UL 94V-0 flammability rating

E65/E68/E69/E75/E77/E78/E79/ F68/F69/F78/F79 Series Snap-In Panel Mount

- UL1054 rating: **E65/E75:** 16A, 125/250VAC; **E68/E78/F68/F78:** 0.1A, 125VAC; **E69/E79/F69/F79:** 10A, 125/250VAC; **E77:** 0.1A, 125VAC
- Long-life coil spring, snap-action mechanism
- Temp. rating: -40°C to +85°C
- Electrical life @ rated load: 6,000 cycles min.


E Series

F81/F82/F83 Series Line Interrupt

- UL1054 rating: **F81:** 10A, 125/250VAC; **F82:** 16A, 125/250VAC; **F83:** 0.1A, 125/250VAC
- Double make/break shorting bars • High overtravel
- Temp. rating: -25°C to +85°C • Snap-in panel mounting

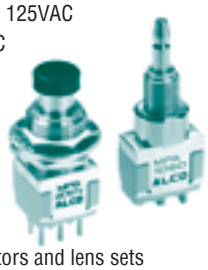

F Series

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Panel Mount & Line Interupt Pushbutton Offering at www.Jameco.com/Prod/CherryPB

Alcoswitch — Pushbutton Switches

MPA Series • Wire Lug or PC tails/Panel mount • 6A @ 125VAC
MPB Series • Subminiature/Panel mount • 3A @ 125VAC
MPE Series • Splashproof/Wire lug/Panel mount • 6A @ 125VAC
MPG Series • Mustang/Wire lug or PC tails • 6A @ 125VAC
MPS Series • Snap action/Wire lug • 3A @ 115VAC



MSPM Series
• Long Life/Magnetic reed • 1.0VA optimum
MSPF Series
• Front and rear entry mounts • 0.5A @ 125VAC
MSP/MSPS Series • 2.5mm travel/Panel mount
• (MSP) 3A @ 125VAC • (MSPS) 3A @ 125VAC
Illuminated Command Series
• Selector & keylock switches • Pilot Light indicators and lens sets
Pushbutton Accessories also available

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch Pushbutton Offering at www.Jameco.com/Prod/AlcoPB

Grayhill — Pushbutton Switches

30/32 Series	• SPST	• 1A @ 115VAC
39 Series	• 1/4" butt contact	• 0.5A to 115VAC
4000 Series	• Wiping contact	• 3A to 115VAC



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Grayhill Pushbutton Offering at www.Jameco.com/Prod/GrayhillPB

GC — Pushbutton Switches

NEW ON THE WEB

Miniature

- .25A, .5A, 1A, 2A, 3A or 6A@125VAC; .2A, .25A, .5A, 1A, 2A or 3A@250VAC
- Terminal: Solder lug or Eyelet, Screw, Quick Connect, Wire Leads or Tab



Standard

- 6A, 10A, 15A or 16A @ 125VAC; 3A, 4A, 6A, 10A or 16A @ 250VAC
- Terminal type: Solder lug/PCB, Solder Eyelet, Screw, Quick Connect or Wire Leads

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC Pushbutton Switch Offering at www.Jameco.com/Prod/GCPB

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Pushbutton Switches


8020 Series


8500 Series


8700 Series


8060 Series


E020 Series


GP Series


KM Series


KT Series

8020 Series Snap-Acting Momentary
- Contact rating: 6A @ 120VAC/8VDC; 3A @ 250VAC
- Operating temp.: -30˚C to +75˚C • Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Long life contact design • Long travel

8060 Series Alternate Action and Momentary
- Contact rating: 0.4VA max.@ 20VAC/DC max. or 1A @ 120VAC/28VDC; 0.4VA max. @ 20VAC/DC max.
- Operating temp.: -30˚C to +65˚C • Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Positive tactile feel

8500 Series Subminiature
- Contact rating: 1A @120VAC/28VDC or 3A @ 120VAC/28VDC
- Operating temp.: -30˚C to +65˚C • Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Reliable contact design

8600 Series Microminiature
- Contact rating: 500mA @ 120VAC/28VDC; 250mA @ 250VAC or 250mA @ 120VAC/28VDC; 125mA @ 250VAC
- Operating temp.: -30˚C to +65˚C • Insulation resistance: 1000MΩ min.
- Dielectric strength: 500V_{RMS} min. @ sea level
- Microminiature size ideal for applications where space is limited

8700 Series Overtravel
- Contact rating: 1A @ 120VAC/28VDC
- Operating temp.: -30˚C to +65˚C • Insulation resistance: 100MΩ min.
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Continuous plunger seal • Heavy-duty brass plunger
- Long electrical life – 100K cycles

TP Series Tiny
- Contact rating: 0.4VA max. @ 20VAC/DC max. or 1A @ 120VAC/28VDC
- Operating temp.: -30˚C to +85˚C • Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Subminiature size – capable of switching 1A

NE-18 Series Mains/Power
- Switching power: 12W max. • Switching voltage: 24V max.
- Dielectric strength: 2000V

PHA Series Short Stroke
- Switching power: 3W max. • Switching voltage: 30V max.
- Dielectric strength: 500V between open contacts, 1500V between chassis and closed contacts • Low cost, reliable contact design • Optional buttons

E010 Series Sealed Momentary
- Contact rating: 0.4VA max. @ 20VAC/DC max.
- Operating temp.: -30˚C to +75˚C • Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Process sealed, withstands soldering and cleaning
- Long life contact design

E020 Series Sealed Snap-Acting Momentary
- Contact rating: 0.4VA max. @ 20 AC/DC max. or 1A @ 120VAC/28 V DC; 0.4VA max. @ 20VAC/DC max. • Long life contact design
- Operating temp.: -30˚C to +75˚C • Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Process sealed with disposable splashproof boot

KM Series Subminiature
- Contact rating: 0.25A @ 125VAC/DC or 1A @ 12 VAC/28VDC
- Operating temp.: -30˚C to +85˚C • Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Process sealed with disposable splashproof boot • Reliable contact design

GP Series Sealed Ultraminiature
- Contact rating: 0.4VA max. @ 20VAC/DC max.
- Operating temp.: -30˚C to +85˚C • Insulation resistance: 1000MΩ min.
- Dielectric strength: 500V_{RMS} min. @ sea level
- Ultraminiature design saves space
- Process compatible, withstands most soldering and washing processes
- Sealed construction – internal o-ring and epoxy base

PN Series Alternate and Momentary Action
- Contact rating: 0.2A @ 30VDC max. • Operating temp.: -10˚C to +60˚C
- Insulation resistance: 100MΩ min. @ 500VDC
- Dielectric strength: 500VAC min. • Low cost, reliable contact design

EP Series Sealed Tiny
- Contact rating: 0.4VA max. @ 20VAC/DC max.
- Operating temp.: -30˚C to +85˚C • Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Sealed against solder and cleaning processes

Lumotast® 75 Series Illuminated Momentary & Latching
- IP40 Degree of protection
- Contact rating: 4A @ 12-250VAC, 0.2A @ 12-220VDC
- Contact system: snap-action bridge contact
- Contact resistance: 200mΩ after operating life
- Operating temp.: without lamp/LED: -25˚C to +70˚C; with lamp/LED: -25˚C to +55˚C

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete C&K Pushbutton Switch Offering at www.Jameco.com/Prod/CKPushbutton

Replacement Switches for AT-Style Computer Cases

PC Pushbutton Switch
- Alternate action double pole switch
- Contacts rated at 250VAC
- UL/CSA/VDE approved
- Size: 0.9"L x 0.7"W x 0.9"D

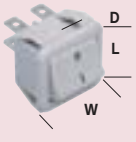
SALE



174238CB

Part No.	Description	Current	1	10	100
174238CB	PC push button	8A	$.94	$.85	$.78

PC Rocker Switch
- For mini-tower cases
- Contacts rated at 250VAC
- UL/CSA approved
- DPST
- Size: 0.9"L x 1.2"W x 1.4"D



Part No.	Description	Current	1	10	100
127028CB	PC rocker ⊕	10A ..	$2.95	$2.69	$2.39

Visit Our Website at www.Jameco.com

OMRON D2F Series Subminiature PCB Plunger Switch

Use in Place of Shorting Block
- SPST (on/off)
- Contact rating: 50mA @ 24VDC
- Non-removable plunger
- Size: 0.2"W x 0.1"D x 0.38"H
- Lead length: 0.1"L
- **10 piece minimum**



Quantity SAVE

Part No.	Description	10	100	1000
172700CB	Plunger switch.....	$.10	$.085	$.064

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Switchcraft® Uniswitch® Switches

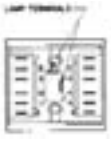


- Illuminated
- 250mA, 30W max. AC non-inductive load
- Snap-in mounting
- Switch housing: molded plastic
- Color: grey
- **Prepackaged: please order in increments of 100**

NEW

Part No.	Description	100	500
568528CB	LUS001ST Illuminated switch♠	$2.55	$2.27
568536CB	P23491 Red button♠	.99	.89
568544CB	P23497 Orange button♠	.99	.89

Switchcraft® Push-Lite® Switches



- SPDT, momentary
- Solder lug
- Color: black & white
- AC rating: 2A, 125V max. non-inductive
- **Prepackaged: please order in increments of 50 or 100**

NEW

Part No.	Description	50	100
568552CB	PL103205 switch♠	$37.29	$33.58

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Alcoswitch Oil-Tight Pushbutton Switches



Reliant 22 series
- 6A @ 600VAC
- Metal and plastic bushings

RM/RT Series
- 22mm/momentary

SR Series • Pilot light/full voltage

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch Oil-Tight Switches Offering at www.Jameco.com/Prod/AlcoOilTight

Alcoswitch Tiny Pushbutton Switches



TP Series
- Gold: 0.4VA Max. @ 20VDC; Silver: 1A @ 125VAC
- Straight or right angle
- Single or dual actuators
- Threaded or unthreaded

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch Tiny PB Offering at www.Jameco.com/Prod/AlcoTinyPB

GC Slide Switches



- Circuit function: On-On
- Mounting: surface or snap-in
- Terminal type: solder lug & PC lug

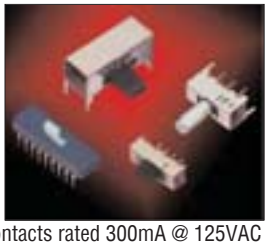
These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC Slide Switch Offering at www.Jameco.com/Prod/GCSlide

Committed to You

We're committed to providing you with the best service in the industry.

Alcoswitch Slide Switches



MM Series
- Double-wipe contacts for low resistance
- Contacts rated: 100mA @ 30VDC/peak AC
- Initial contact resistance: 20mΩ max.

MHS Series
- Subminiature slides feature moving contact for positive wiping action
- Contact rating: Silver: 300mA @ 125VAC; Gold: 0.4VA @ 20VDC

MSS Series
- Compact PC board slide switches upright and right angle
- Silver contacts rated 300mA @ 125VAC

SS Series
- Contact rating: Gold: 0.4VA max. @ 20VDC; Silver: 100mA @ 30VDC
- Initial contact resistance: 30mΩ max.
- Insulation resistance: 100MΩ min.

SE Series
- Contact rating: 0.4VA @ 20VDC
- Initial contact resistance: 50mΩ max.
- Dielectric strength: 500VAC for 1 min.

SLS Series
- Contact rating: 250mA @ 125VAC, 150mA @ 12VDC
- Dielectric strength: 500VAC
- Initial contact resistance: 30mΩ max.
- Insulation resistance: 500MΩ min.

TSS Series
- Non-shorting, gold-plated contacts: 0.4VA max. @ 20VDC/peak AC
- Pin spacing: 0.100" (2.54mm) on centers

STS Series
- PC mount units, bifurcated contacts rated 300mA @ 125VAC/30VDC
- Initial contact resistance: 20mΩ max.
- Wave solderable and washable

AS Series
- Withstand aqueous or solvent cleaning processes
- High temperature antistatic plastic
- Auto insertable slides
- Type ASE: extended actuator and Type ASF: DIP package available

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch Slide Switch Offering at www.Jameco.com/Prod/AlcoSlide

C&K Slide Switches



ES Series | GS Series | L Series | S Series | TS Series | V Series

1000 Series Miniature
- Epoxy terminal seal – compatible with bottom-wash cleaning
- Operating temp.: -30˚C to +65˚C
- Contact rating: 0.4VA max. @ 20VAC/DC max. or 6A @ 120VAC/28VDC; 3A @ 250VAC
- Dielectric strength: 1000V_{RMS} @ sea level
- Insulation resistance: 1000MΩ min.

ES Series Sealed Tiny
- Reliable contact design ensures long electrical life
- Operating temp.: -30˚C to +85˚C
- Contact rating: 0.4VA max. @ 20VAC/DC max.
- Dielectric strength: 500V_{RMS} min.
- Insulation resistance: 1000MΩ min.

GS Series Sealed Ultraminiature
- Ultraminiature design saves PCB space
- Operating temp.: -30˚C to +85˚C
- Contact rating: 0.4VA max. @ 20VAC/DC max.
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 500V_{RMS} @ sea level

L Series Miniature
- Contact rating: 4A @ 125VAC/28VDC; 2A @250VAC; 0.5A @ 125VDC
- Enclosed housing
- Dielectric strength: 1000V_{RMS} @ sea level
- Positive detent
- Insulation resistance: 1000MΩ min.

S Series Standard
- Contact rating: 6A @ 125VAC; 6A @ 250VAC; 1A @ 125VDC or 12A @ 125VAC; 6A @ 250VAC; 1A @ 125VDC or 15A @ 125VAC; 6A @ 250VAC
- Enclosed housing
- Dielectric strength: 1000V_{RMS} @ sea level
- Insulation resistance: 1000MΩ min.

TS Series Tiny
- Reliable contact design ensures long electrical life
- Operating temp.: -30˚C to +85˚C
- Contact rating: 0.4VA max. @ 20VAC/DC max. or 3A @ 120VAC/28VDC or 1A @ 120VAC/28VDC
- Dielectric strength: 1000V_{RMS} @ sea level
- Insulation resistance: 1000MΩ min.

V Series Power & Line Voltage Select
- Actuators with screwdriver slot
- Operating temp.: -30˚C to +85˚C
- Contact rating: 10.1A max. @ 125VAC; 4A @ 28VDC; 5A @ 250VAC
- Dielectric strength: 1000V_{RMS} @ sea level
- Insulation resistance: 1000MΩ min.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete C&K Slide Switches Offering at www.Jameco.com/Prod/CKSlide

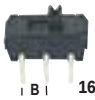
Slide Switches

JAMECO ValuePro — A Jameco EXCLUSIVE

- Two mounting flanges
- Top actuation
- Nylon actuator
- Phenolic insulated



109170CB



161816CB


204142CB


202770CB

✳ 10 piece minimum

Part No.	Pins	Type	Description	Housing Material #	Dimensions L"	W"	D"	Lead Spacing A"	B"	Contact Rating	Lead Length	Actuator Height	Pricing 1	10	100	250
109170CB	3	SPDT on-on	PC mount ⊕	Plastic	.22	.45	.23	—	.12	0.5A @ 50VDC	.17"	.15"	$.31	$.26	$.23	$.19
161816CB	6	DPDT on-on†	PC mount ⊕	Plastic	.38	.14	.13	.13	.11	0.1A @ 20VDC	.11"	.08"	.59	.49	.39	.29
Other Manufacturers — Great Deals																
204142CB	3	SPDT on-on*	PC mount ⊕	Plastic	.77	.40	.37	—	.19	2.0A @ 28VDC	.19"	.17"	$.28	$.16	$.15	$.13
202770CB	—	SPDT on-on	PC mount ⊕	Plastic	.35	.70	.30	.17	.20	0.1A @ 30VDC	.16"	.32"	✳	.095	.087	.079

† Plastic — flanges *Side actuated # Plastic: 6/6 nylon; metal: steel zinc plated

Rocker Switches

JAMECO ValuePro — A Jameco EXCLUSIVE


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6

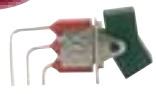

Fig. 7


Fig. 8

Part No.	Cross Ref. No.	Fig.	Pins	Type () Momentary	Contact Rating (A @ VAC)	Mounting Hole	Mounting Type	Terminal Type	Rocker Color	Rocker Type	Lead Space A"	B"	Dimensions (L"xW"xD")	Pricing 1	10	100
316451CB	R13-243A-02	1	2	SPST on-off ⊕	8 @ 125	.78"L x .28"W	Panel Mnt	.187" quick conn.	Black	Rectangle	0.35	—	.83 x .37 x .85	$1.39	$1.26	$1.14
316478CB	R13-243F-02	1	2	SPST (on)-off ⊕	8 @ 125	.78"L x .28"W	Panel Mnt	.187" quick conn.	Black	Rectangle	0.35	—	.83 x .37 x .85	2.05	1.88	1.69
196154CB	R30NSA	2	2	SPST on-off ⊕	15 @ 125	1.07"L x .43"W	Panel Mnt	.250" Quick conn.	Solid Black	Rectangle	0.45	—	1.07 x .42 x .77	1.75	1.59	1.44
316013CB	R13-66A-B-02	3	2	SPST on-off ⊕	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Black top	Rectangle	0.31	—	.83 x .59 x .47	.99	.86	.56
316021CB	R13-66A-R-02	4	2	SPST on-off ⊕	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Red top	Rectangle	0.31	—	.83 x .59 x .47	.99	.86	.56
316128CB	R13-73B-R-02	5	3	SPST on-off ⊕	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Red Illum.	Rectangle	0.35	0.35	.83 x .59 x .87	1.49	1.35	1.22
316136CB	R13-73B-Y-02	5	3	SPST on-off ⊕	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Yellow Illum.	Rectangle	0.35	0.35	.83 x .59 x .87	1.49	1.35	1.22
316144CB	R13-73B-G-02	5	3	SPST on-off ⊕	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Green Illum.	Rectangle	0.35	0.35	.83 x .59 x .87	1.65	1.50	1.35
316048CB	R13-66B-G-02	6	3	SPST on-off ⊕	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Green Illum.	Rectangle	0.31	0.31	.83 x .59 x .47	1.19	1.02	.67
140531CB	CK7101	7	3	SPDT on-on ⊕	5 @ 120	—	PC Mount	PC right angle	Solid Black	Rectangle	0.15	—	.50 x .50 x .27	1.49	1.34	1.21
316056CB	R13-66C-B-02	6	3	SPDT on-on ⊕	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Solid Black	Rectangle	0.31	0.31	.83 x .59 x .47	1.19	.96	.60
316064CB	R13-66C-R-02	6	3	SPDT on-on ⊕	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Solid Red	Rectangle	0.31	0.31	.83 x .59 x .47	1.19	.96	.60
316072CB	R13-66D-02	6	3	SPDT on-off-on ⊕	16 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Black (I-O-I)	Rectangle	0.31	0.31	.83 x .59 x .47	1.19	1.02	.80
316110CB	R13-73A2-B-02	8	4	DPST on-off ⊕	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Solid Black (I-O)	Rectangle	0.20	0.34	.83 x .59 x .87	1.69	1.58	1.42
316152CB	R13-73C-R-02	8	4	DPST on-off ⊕	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Red Illum.	Rectangle	0.20	0.34	.83 x .59 x .87	2.05	1.88	1.69
316161CB	R13-73C-Y-02	8	4	DPST on-off ⊕	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Yellow Illum.	Rectangle	0.20	0.34	.83 x .59 x .87	2.05	1.88	1.69
316179CB	R13-73C-G-02	8	4	DPST on-off ⊕	10 @ 125	.78"L x .52"W	Panel Mnt	.187" quick conn.	Green Illum.	Rectangle	0.20	0.34	.83 x .59 x .87	2.25	2.04	1.84
Other Manufacturers — Great Deals																
140530CB	CK7101	—	3	SPDT on-on ⊕	5 @120	—	PC mnt. vert.	PC right angle	Black	Rectangle	0.15	—	.50 x .50 x .27	$1.49	$1.34	$1.21

Rocker Switches

CHERRY

CR Series Power Rugged
- UL1054 rating: 20A, 125VAC; 16A, 250VAC
- Temp. range: -20˚C to +85˚C
- Mechanical life: min. 100,000 operations
- Electrical life @ rated load: 6000 cycles min.

FR Series Double Pole 12A Switching
- UL1054 rating: 12A, 125VAC/250VAC
- Temp. range: -20˚C to +125˚C (UL); -20˚C to +55˚C (VDE)
- Mechanical life: min. 50,000 operations
- Electrical life @ rated load: 6000 cycles min.

GR Series Compact 15A Switching
- UL1054 rating: 15A, 125VAC; 10A, 250VAC
- Temp. range: -20˚C to +85˚C
- Mechanical life: min. 50,000 operations
- Electrical life @ rated load: 6000 cycles min.

LR Series Miniature High Current
- UL1054 rating: 10A, 125VAC; 8A, 250VAC
- Temp. range: -20˚C to +85˚C
- Mechanical life: min. 100,000 operations
- Electrical life @ rated load: 6000 cycles min.

RR Series Round High Current
- UL1054 rating: 10A, 125VAC; 8A, 250VAC
- Temp. range: -20˚C to +85˚C
- Mechanical life: min. 100,000 operations
- Electrical life @ rated load: 6000 cycles min.

PR Series Panel Mount Power
- UL1054 rating: 6A, 125VAC; 3A, 250VAC
- Smallest agency-approved, low profile
- Temp. range: 0˚C to 100˚C (VDE); -20˚C to +65˚C (UL)
- Mechanical life: min. 50,000 operations
- Electrical life @ rated load: 6000 cycles min.

SR Series Miniature
- UL1054 rating: 10A, 125VAC; 6A, 250VAC
- Temp. range: -20˚C to +85˚C
- Mechanical life: min. 100,000 operations
- Electrical life @ rated load: 6000 cycles min.

TR Series Thin Power
- UL1054 rating: 16A, 125VAC/250VAC
- 16A switching in 11mm wide package
- Temp. range: -20˚C to +85˚C
- Mechanical life: min. 50,000 operations
- Electrical life @ rated load: 6000 cycles min.

WR Series Double Pole Power
- UL1054 rating: 16A, 125VAC/250VAC
- Rugged construction for 2-pole, high-current applications
- Temp. range: -20˚C to +85˚C
- Mechanical life: min. 50,000 operations
- Electrical life @ rated load: 6000 cycles min.


GR Series


PR Series


FR Series


TR Series


RR Series


WR Series

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Series of Cherry Rocker Switches Offering at www.Jameco.com/Prod/CherryRocker

℞ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Alcoswitch Rocker/Paddle Switches



TRD Series

- Contact rating: silver 3A max. @ 125VAC
- Dielectric strength: 1000VRMS @ sea level
- Insulation resistance: 1000MΩ @ 500VDC
- Contact resistance: 20mΩ max. • Operating temp.: -20˚C to +85˚C

PRA/PRB/PRD Series Snap-In

- Current: 16A@125VAC; 10A@250VAC
- Dielectric strength: >1000VAC, 1 min.
- Insulation resistance: >100MΩ min.
- Operating life endurance: up to >100,000 operations

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Series of AlcoSwitch Rocker Switches Offering at www.Jameco.com/Prod/AlcoRocker

C&K Rocker Switches



C Series | CA Series | CR Series | DA Series | DF Series | DM Series | E Series | 7000 Series

C Series Power

- Contact rating: 15A @ 125VAC; 10A @250VDC
- Insulation resistance: 1000MΩ min. • Positive detent
- Dielectric strength: 2500V_{RMS} @ sea level • Snap-in mounting

CA Series Power

- Contact rating: 15A @ 125VAC; 10A @250VDC
- Insulation resistance: 1000MΩ min. • Positive detent
- Dielectric strength: 1000V_{RMS} @ sea level • Cosmetic slimline detail

CR Series Round Single Pole Specialty

- Contact rating: 10A @ 125VAC; 6A @250VDC • Nice styling
- Dielectric strength: 1500V_{RMS} @ sea level • Insulation resistance: 100MΩ min.

D Series Miniature Snap-in Power

- Contact rating: 4A @ 125VAC; 2A @ 250VAC or 10A @125VAC; 5A @ 250VDC
- Insulation resistance: 1000MΩ min. • PC and quick connect terminals
- Dielectric strength: 1000V_{RMS} @ sea level • Low cost

DA Series Miniature Single Pole

- Contact rating: 16A @ 125VAC, 1/3HP; 10A @ 250VAC 1/2HP
- Insulation resistance: 100MΩ min. • Guards to prevent accidental actuation
- Dielectric strength: 1500V_{RMS} @ sea level

DF Series Power

- Power switching up to 16 A • Sub-panel and panel mounting
- Contact rating: 16A @ 125/250VAC • Multi-position/multi-pole function
- Dielectric strength: 1000V_{RMS} @ sea level
- Insulation resistance: 1000MΩ min.

DM Series Miniature Power

- Contact rating: 3A @ 125VAC; 2A @ 250VAC or 10A @125VAC; 5A @ 250VAC
- Insulation resistance: 1000MΩ min. • Illuminated or non-illuminated
- Dielectric strength: 1000V_{RMS} @ sea level • Quick connect terminals

E Series Sealed Miniature, ET Series Sealed Subminiature & 7000 Series Miniature

- Sealed terminals prevent contamination during soldering
- Contact rating:
  E Series: 0.4VA max. @ 20VAC/DC, 7.5A @ 125VAC/28VDC, 3A @ 250VAC, 5A @ 125VAC/28VDC, 2A @ 250VAC;
  ET Series: 0.4VA max. @ 20VAC/DC;
  7000 Series: 0.4VA max. @ 20VAC/DC or 5A @120VAC/28VDC; 2A @ 250VDC
- Insulation resistance: 1000MΩ min. • Operating temp.: -30˚C to 85˚C
- Dielectric strength: 1000V_{RMS} @ sea level

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete C&K Rocker Switch Offering at www.Jameco.com/Prod/CKRocker

GC Rocker Switches



Miniature

- 4A, 8A, 10A, 11A or 16A @ 125VAC; 2A, 3A, 4A, 5A or 16A @ 250VAC
- Black, Red or White Plastic
- Illuminated and non-illuminated

Standard Appliance

- 10A, 12A, 15A, 16A or 20A @ 125VAC; 8A, 10A, 15A, 16A or 20A @ 250VAC
- With and without imprinting
- Illuminated and non-illuminated

NEW ON THE WEB

Automotive/Marine

- Insulation resistance: 50MΩ
- Terminal type: Quick Connect

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC Rocker Switch Offering at www.Jameco.com/Prod/GCRocker

Order Anytime, Day or Night

Our friendly sales department will take care your order 24x7x365 by phone, fax, web or email 1-800-831-4242

Switches



PS Series | A Series

PS Series Pushbutton

- Contact rating: 5A @ 125VAC, 5A @ 28VDC
- Contact resistance: 50mΩ max.
- Insulation resistance: 1000MΩ min.

NEW ON THE WEB

B Series Rocker

- Contact rating: 0.55A @ 28VDC
- Contact resistance: 10mΩ max. inital
- Insulation resistance: 1000MΩ min.

A Series Toggle

- Contact rating: 6A @ 125VAC, 3A @ 250VAC
- Contact resistance: 10mΩ max. inital
- Insulation resistance: 1000MΩ min.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our ElectroSwitch Switch Offering at www.Jameco.com/Prod/ElectroSwitch

GC Toggle Switches



Miniature

- 3A @ 125VAC/28VDC; 5A @ 125VAC/28VDC; 6A @ 125VAC/28VDC
- Terminal type: Solder, PC or Solder Quick Connect

Medium Duty

- 3A, 4A, 6A, 15A, 20A or 21A @ 125VAC; 2A, 3A, 5A, 8A or 10A @ 250VAC
- Terminal type: Solder, Screw, Quick Connect, Wire Leads or Solder Quick Connect
- Illuminated and non-illuminated

NEW ON THE WEB

Heavy Duty

- 15A, 16A, 17A, 20A or 35A @ 125VAC; 8A, 10A or 12A @ 250VAC
- Terminal type: Solder, Screw or Quick Connect

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC Toggle Switch Offering at www.Jameco.com/Prod/GCToggle

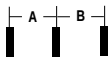
JAMECO ValuePro

A Jameco EXCLUSIVE

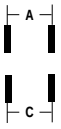
Standard Toggle Switches

- Panel mount
- Mounting hole diameter: 1/2"
- Full-size round lever for standard and metal
- Full-size flat lever for plastic
- Medium duty
- Keyed plate indicates switch position

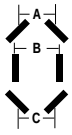
Includes: Mounting hardware and on/off plate



3-pin



2-pin or 4-pin



6-pin



Fig. 1


Fig. 2


Fig. 3


Fig. 4

Part No.	Cross Ref. No.	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing A"	B"	C"	Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing 1	10	100	500	1000
76241CB	SWM128 ⊕	1	2	SPST on-off	1.00 x .56 x .52	.23	—	—	4 @ 125 & 2 @ 250	Solder lugs	Round	$1.49	$1.29	$1.19	$.99	$.89
76232CB	SWM125 ⊕	2	2	SPST on-off	1.00 x .53 x .51	—	—	—	6 @ 125 & 3 @ 250	6" lead wire	Round	1.75	1.59	1.45	1.29	1.15
317817CB	R13-25A1-05 ⊕	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	1.39	1.29	.85	.81	.80
317833CB	R13-25A2-05 ⊕	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Metal	1.99	1.75	1.39	1.25	1.19
317809CB	R13-25A1-01 ⊕	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Plastic	1.39	1.29	.85	.81	.80
317825CB	R13-25A2-01 ⊕	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Metal	1.99	1.75	1.38	1.25	1.19
318001CB	R13-28A-01 ⊕	4	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	1.99	1.75	1.39	1.25	1.13
318019CB	R13-28A-05 ⊕	4	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	1.99	1.45	1.39	1.25	1.13
318027CB	R13-28A-06 ⊕	4	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.25	1.99	1.55	1.39	1.25
317892CB	R13-25C1-05 ⊕	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	2.39	2.15	1.69	1.52	1.46
317913CB	R13-25C2-05 ⊕	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Metal	2.45	2.15	1.69	1.51	1.49
317884CB	R13-25C1-01 ⊕	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Plastic	2.85	2.55	2.00	1.79	1.72
317905CB	R13-25C2-01 ⊕	3	3	SPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Metal	2.45	2.15	1.69	1.51	1.49
318086CB	R13-28C-01 ⊕	4	3	SPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.45	2.15	1.69	1.52	1.39
318094CB	R13-28C-05 ⊕	4	3	SPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	2.45	2.15	1.69	1.52	1.39
318107CB	R13-28C-06 ⊕	4	3	SPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.89	2.55	1.99	1.79	1.75
317930CB	R13-25D1-05 ⊕	3	3	SPDT on-off-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	2.45	2.15	1.69	1.55	1.45
317956CB	R13-25D2-05 ⊕	3	3	SPDT on-off-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Metal	2.45	2.15	1.69	1.55	1.45
318123CB	R13-28D-01 ⊕	4	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.45	2.15	1.69	1.52	1.47
318131CB	R13-28D-05 ⊕	4	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	2.45	2.15	1.69	1.52	1.47
318140CB	R13-28D-06 ⊕	4	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	2.89	2.55	1.99	1.79	1.69
158060CB	JKN32 ⊕	1	4	DPST on-off	1.00 x .56 x .52	.23	—	.23	4 @ 125 & 2 @ 250	Solder lugs	Round	1.15	1.05	.95	.85	.75
76260CB	SWM126 ⊕	1	6	DPDT on-on	1.12 x .77 x .60	.30	.60	.40	5 @ 125 & 3 @ 250	Solder lugs	Round	1.75	1.59	1.45	1.29	1.15
158078CB	JKN3CC ⊕	1	6	DPDT on-on	1.19 x .76 x .73	.44	.59	.44	10 @ 125 & 6 @ 250	Screw lugs	Round	1.75	1.59	1.29	.99	.85
317850CB	R13-25B1-05 ⊕	3	6	DPDT on-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	3.75	3.35	2.61	2.34	2.25
318043CB	R13-28B-01 ⊕	4	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	3.75	3.35	2.59	2.35	2.09
318051CB	R13-28B-05 ⊕	4	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	3.75	3.35	2.59	2.35	2.09
318060CB	R13-28B-06 ⊕	4	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	4.59	4.15	3.19	2.89	2.75
317972CB	R13-25E1-05 ⊕	3	6	DPDT on-off-on	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	Solder	Plastic	3.75	3.35	2.61	2.34	2.25
Other Manufacturers — Great Deals																
76259CB	SWM126 ⊕	1	6	DPDT on-on	1.12 x .77 x .60	.30	.60	.40	5 @ 125 & 3 @ 250	Solder lugs	Round	$1.59	$1.45	$1.29	$1.15	$1.05

GC

Specialty Switches

- Pull chain switches
- Reed switches
- Proximity switches
- Knife switches
- Mercury tilt

NEW ON THE WEB



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See Our GC Specialty Switch Offering at www.Jameco.com/Prod/GCSpecialty

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on our web product specification pages at www.Jameco.com.

Alcoswitch Toggle Switches

Gemini A Series Miniature

- Contact rating: gold: 0.4VA @ 20VAC/DC; silver: 2A @ 250VAC, 5A @ 125VAC
- Insulation resistance: 1000MΩ @ 500VDC
- Dielectric strength: 1000 volts RMS @ sea level
- Operating temp.: -20˚C to 85˚C

AE Series Washable

- Contact rating: gold: 0.4VA @ 20VAC/DC; silver: 2A @ 250VAC, 5A @ 125VAC
- Insulation resistance: 1000 MΩ @ 500VDC
- Dielectric strength: 1000 volts RMS @ sea level
- Operating temp.: -20˚C to +85˚C

MT Series

- Contact rating: gold: 6A @ 125VAC, 3A @ 250VAC
- Insulation resistance: 1000 MΩ @ 500VDC min. for 1 minute
- Dielectric strength: 1500VAC
- Operating temp.: -20˚C to +80˚C

TT Series

- Contact rating: 0.4VA @ 20VDC or peak AC or 3A @ 125VAC
- Insulation resistance: 1000 MΩ min. @ 500VDC min.
- Dielectric strength: 1000 volts RMS @ sea level
- Operating temp.: -30˚C to +85˚C

7320/7360/7402 Series Power

- Contact rating: 7320 series: 16A @ 125VAC, 8A @ 250VAC; 7360 series: 20A @ 125VAC, 10A @ 250VAC; 7402 series: 20A @ 125/250VAC
- Operating temp.: 0˚C to 55˚C
- Screw terminals


A Series


MT Series


7320 Series

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See Our Alcoswitch Toggle Switch Offering at www.Jameco.com/Prod/AlcoToggle

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

JAMECO ValuePro

- Mounting hole diameter: 1/4"

Includes: Mounting hardware

Miniature Toggle Switches

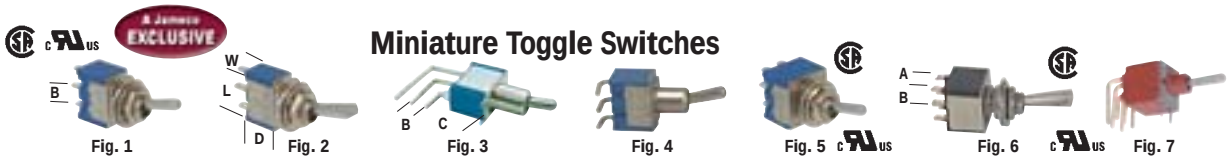


Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6 Fig. 7

Part No.	Cross Ref. No.	Fig.	Pins	Type ( ) Momentary	Dimensions L" x W" x D"	Lead Spacing A"	Lead Spacing B"	Lead Spacing C"	Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing 1	10	100	500	1000
76523CB	JMT113 ⊕	1	2	SPST on-off	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	$1.15	$1.03	$.93	$.75	$.65
21936CB	JMT123 ⊕	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.15	1.03	.93	.75	.65
21910CB	JMT121 ⊕	1	3	SPDT on-off-on	.52 x .32 x .38	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.35	1.25	1.09	.95	.85
22832CB	LFH123 ⊕	2	3	SPDT on-on	.52 x .28 x .36	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.15	1.05	.95	.85	.75
75854CB	SWM132 ⊕	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.29	1.16	1.04	.94	.69
75889CB	SWM129 ⊕	1	3	SPDT (on)-off-(on)	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.99	1.85	1.55	1.09	.95
26331CB	MPC123 ⊕	1	3	SPDT on-on	.52 x .32 x .37	—	.185	—	6 @ 125 & 3 @ 250	PC straight	Round	1.39	1.25	1.12	.95	.78
26315CB	MPC121 ⊕	1	3	SPDT on-off-on	.52 x .32 x .37	—	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.29	1.15	1.05	.95	.75
71597CB	SWM148 ⊕	3	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	5 @ 125 & 2 @ 250	PC right angle	Round	1.19	1.09	.91	.73	.55
75871CB	SWM145 ⊕	4	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.49	1.35	1.09	.86	.79
22841CB	LFH221 ⊕	6	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	3 @ 125 & 1 @ 250	Solder lugs	Flat	1.45	1.35	1.19	1.09	.95
21979CB	JMT223 ⊕	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.49	1.29	1.15	.99	.59
22859CB	LFH223 ⊕	6	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.29	1.19	1.05	.95	.85
75900CB	SWM133 ⊕	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.35	1.25	.99	.85
21952CB	JMT221 ⊕	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.29	1.16	1.04	.89	.75
75951CB	SWM130 ⊕	5	6	DPDT (on)-off-(on)	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.35	1.25	.99	.89
26366CB	MPC223 ⊕	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.49	1.35	1.25	.99	.89
26358CB	MPC221 ⊕	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.29	1.16	1.04	.89	.75
Other Manufacturers																
105814CB	SWA208 ⊕	5	6	DPDT on-(on)	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	$1.59	$1.45	$1.29	$1.15	$.89
202964CB	WI24 ⊕	7	6	DPDT on-off-(on)	.50 x .50 x .46	.15	.15	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.59	.79	.68	.54	.41

JAMECO ValuePro

- Mounting hole diameter: 7/32"
- Pre-tinned leads
- Metal construction

Includes: Mounting hardware

Subminiature Toggle Switches

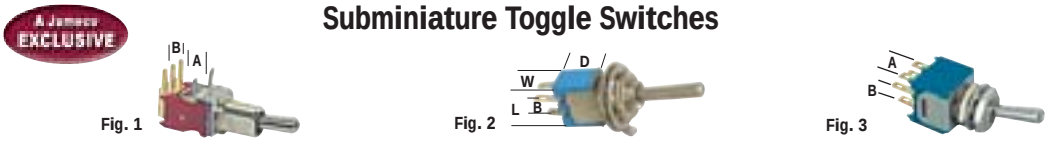


Fig. 1 Fig. 2 Fig. 3

Part No.	Cross Ref. No.	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing A"	Lead Spacing B"	Contact Rating	Lead Type	Lever Type	Pricing 1	10	100	500	1000
106067CB	SWP124 ⊕	1	3	SPDT on-on	.25 x .33 x .40	.20	.10	30mA @ 5VDC	PC right angle	Round	$1.99	$1.83	$1.59	$1.44	$1.32
72160CB	SW1501 ⊕	2	2	SPST on-off	.33 x .21 x .33	.10	—	1.5A @ 250VAC	Solder lugs	Round	1.09	1.07	1.04	.99	.84
75969CB	SWM136 ⊕	2	3	SPDT on-on	.33 x .21 x .33	.10	—	3A @ 125VAC	Solder lugs	Round	1.55	1.44	1.21	.86	.63
72557CB	SW1502 ⊕	2	3	SPDT on-off-on	.33 x .21 x .33	.10	—	1.5A @ 250VAC	Solder lugs	Round	1.35	1.25	1.05	.85	.60
138907CB	SW1503 ⊕	3	6	DPDT on-off-on	.36 x .37 x .33	.17	.10	3A @ 120VAC	Solder lugs	Round	1.29	1.05	.85	.65	.55
75977CB	SWM137 ⊕	3	6	DPDT on-on	.33 x .37 x .33	.17	.10	1.5A @ 250VAC	Solder lugs	Round	1.29	1.05	.85	.65	.55

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Jameco's recently introduced ValuePro line of passive, electromechanical and interconnect products are high-quality electronic components and guaranteed to be at the lowest prices you'll find. In fact, if you find a lower print-advertised price, we'll beat it by another 10%, right down to our cost.

No more high-priced brand markup… no more costly layers of distribution… no more restrictive franchise agreements that hold minimum prices high. Instead, Jameco cuts out the costly markups and layers of distribution and sells its products direct to you, so you can put the savings back in your wallet!

Practical Practices
Money Saving Tips for the Engineer

See Our Extensive Online Switch Offering

pages 156 - 171



Alcoswitch
CHERRY
C&K
GC
Grayhill

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Electromech

Toggle Switches

E Series Sealed Miniature



E Series

- Contact rating: 7.5A @ 125VAC or 28VDC; 3A @ 250VAC
- Insulation resistance: 10,000MΩ min.
- Dielectric strength: 1000V_{RMS} min. @ sea level.
- Sealed against solder and cleaning process contaminants
- UL 94V-0 Nylon case and bushing
- Operating temp.: -30˚C to +85˚C

GT Series Sealed Ultraminiature



GT Series

- Contact rating: 0.4VA max. @ 20VAC or DC max.
- Insulation resistance: 10,000MΩmin.
- Dielectric strength: 500V_{RMS} min. @ sea level
- Operating temp.: -30˚C to +85˚C
- Sealed against solder and cleaning process contaminants
- Ultraminiature size, smallest footprint available

T Series Subminiature



T Series

- Contact rating: 0.4 VA max. @ 20VAC/VDC max; 3A @ 120VAC or 28VDC
- Insulation resistance: 10,000MΩmin.
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Operating temp.: -30˚C to +85˚C
- Compact size, small footprint

7000 Series Minature



7000 Series

- Contact rating: 0.4VA max. @ 20VAC/VDC max; 5A @ 120VAC or 28VDC; 2A @ 250VAC
- Insulation resistance: 10,000MΩmin.
- Dielectric strength: 1000V_{RMS} min. @ sea level
- Operating temp.: -30˚C to +85˚C
- Epoxy sealed terminals prevent contamination

9000 Series Power

- Contact rating: 6A @ 120VAC/28VDC; 3A @ 250VAC or 10A @ 125VAC/ 28VDC; 5A @ 250VAC • Insulation resistance: 10,000MΩmin.
- Dielectric strength: 2500V_{RMS} min. @ sea level • Operating temp.: -30˚C to +85˚C

MIL-S-83731 Series Military/Aerospace/Hi-Rel

- Contact rating: 0.4VA max. @ 28VAC/DC max. • Operating temp.: -25˚C to +71˚C

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See Our Complete C&K Toggle Switch Offering at www.Jameco.com/Prod/CKToggle

Tactile Switches



- SPST • 12VDC @ 50mA
- PCB, low profile or right angle

NEW ON THE WEB

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See Our GC Tactile Switch Offering at www.Jameco.com/Prod/GCTactile

Switch Assortment Kit

SAVE $51





Includes:

- 20-drawer component cabinet (319599CB), 20 clear plasticdrawers (319601CB), 20 clear dividers (319610CB), pg 295 and 30 adhesive labels for drawers to identify parts in kit
- 10 ea. miniature toggle switches (76523CB, 21936CB, 21910CB, 26331CB, 26315CB, 21979CB, 21952CB, 26366CB, 26358CB), pg 166
- 10 ea. slide switches (109170CB), pg 163
- 10 ea. pushbutton switches (26622CB, 26649CB), pg 159
- 10 ea. DIP switches (38818CB, 38842CB), pg 170
- 10 ea. tactile switches (153251CB), pg 168

Part No.	Description	Wt. (lbs.)	1	10
85059CB	150 pcs. switch kit ⊕	5.0	$98.95	$88.95

Low Price Guarantee

Have you found a product at a lower print-advertised price?
We'll beat that price by 10% right down to our cost!

Tactile Switches



ED Series



PTS525 Series



KMR Series



KSJ Series



KT Series

ED & EDM Series Dome

- Gold (Au) or silver (Ag) contacts • Proven application in avionics
- Contact resistance: ≤10mΩ or ≤15mΩ
- Switching power: 3W or 6W • Switching voltage: 100VDC

KMR Series Microminiature for SMT

- Compatible with lead free soldering • EMC protection
- Extra large actuator • Contact resistance: ≤100mΩ
- Insulation resistance: ≥1GΩ

KMS Series Microminiature Side Actuated for SMT

- Compatible with lead free soldering • Grounded cover for EMC protection
- Contact resistance: ≤100mΩ • Insulation resistance: 1000MΩ
- Dielectric strength: 250VDC

KSA & KSL Series Sealed

- Cambered terminals to ensure self retention • Contact resistance: <50mΩ
- Dielectric strength: 300V_{RMS} • Insulation resistance: >100000MΩ

KSB & KSF Series Low Profile

- Contact resistance: KSB: 50mΩ; KSF: 100mΩ
- Dielectric strength: 300V_{RMS} • Insulation resistance: >100000MΩ

KSC Series Sealed for SMT

- Contact resistance: <100mΩ • Dielectric strength: 250V
- Insulation resistance: >10000MΩ

KSJ Series Spherical Actuator

- Contact resistance: ≤50mΩ
- Dielectric strength: ≥300V_{RMS} • Insulation resistance: >100000MΩ

KSR Series Subminiature for SMT

- Saves PCB space • N.O. or N.C. contacts
- Contact resistance: ≤100mΩ • Insulation resistance: 1000MΩ

KSS Series Subminiature Side Actuated for SMT

- Insulation resistance: ≥1000MΩ • Low profile of 1.6mm
- Dielectric strength: ≥250VAC • Contact resistance: ≤100mΩ

KST Series Long Travel for SMT

- Rubber actuator • Silver contact material
- Insulation resistance: >1000MΩ • Operating temp.: -40˚C to +125˚C
- Dielectric strength: >250VAC • Contact resistance: <100mΩ

KT Series Right Angle Sealed for SMT

- High shear force with extended bracket • Contact rating: 1VA max. @ 50VAC/DC
- Insulation resistance: 1000MΩ min. • Contact resistance: <50mΩ typical
- Dielectric strength: 250V_{RMS} min. @ sea level

PTS125 Series 12mm

- Stable control feeling • Contact rating: 50mA @ 12VDC
- Insulation resistance: 100000MΩ min. • Operating temp.: -40˚C to +60˚C
- Dielectric strength: 250VAC min. • Contact resistance: 100mΩ initial

PTS453 Series 4.5mm

- Compact size 4.5 x 4.5 mm • 3.8 mm actuator height
- Contact rating: 50mA @ 12VDC • Insulation resistance: 100000MΩ min.
- Dielectric strength: 250VAC min. • Contact resistance: 100mΩ initial
- Operating temp.: -40˚C to +60˚C

PTS525 Series Microminiature for SMT

- Ultra low profile, 0.8 & 1.5 mm actuator height
- Contact rating: 50mA @ 12VDC • Insulation resistance: 100000MΩ min.
- Dielectric strength: 250VAC min. • Contact resistance: 100mΩ initial
- Operating temp.: -40˚C to +60˚C

PTS635 Series 3.5mm

- Compact size 6 x 3.5 mm • Operating temp.: -40˚C to +60˚C
- Contact rating: 50mA @ 12VDC • Insulation resistance: 100000MΩ min.
- Dielectric strength: 250VAC min. • Contact resistance: 100mΩ initial

PTS645 Series 6mm

- Compact size 6 x 6 mm • Operating temp.: -40˚C to +60˚C
- Contact rating: 50mA @ 12VDC • Insulation resistance: 100000MΩ min.
- Dielectric strength: 250VAC min. • Contact resistance: 100mΩ initial

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See Our Complete C&K Tactile Switch Offering at www.Jameco.com/Prod/CKTactile

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Tactile Switches

JAMECO ValuePro


Fig. 1

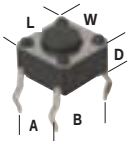


Fig. 2

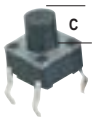


Fig. 3

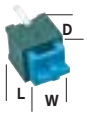


Fig. 4


Fig. 5


Fig. 6



Fig. 7

- Bounce time: 10 msec.
- SPST momentary ON
- Contact resistance: 100mΩ
- Lead type: PC


Fig. 8


Fig. 9


Fig. 10

✳ 10 piece minimum

Part No.	Cross Ref. No.	Fig.	Pins	Dimensions (in.) L	W	D	C	Lead Spacing A"	B"	Contact Rating (mA @ VDC)	Button Color	Pricing 1	10	100	250
122972CB	DTS1212⊕	1	4	.47	.47	.18	—	.20	.50	20 @ 15	Black	$.26	$.23	$.19	$.17
119010CB	KTIIBICM⊕	2	8	.24	.24	.15	.30	.17	.25	20 @ 15	Black	.27	.24	.22	.20
149948CB	KT11P4CM⊕	3	4	.24	.24	.15	.13	.17	.25	20 @ 15	Black	✳	.23	.21	.19
115087CB	KIE22⊕	4	2	.24	.24	.22	—	—	.25	20 @ 15	Blue	.39	.35	.29	.26
199727CB	EVQ11A04M⊕	7	2	.24	.24	.14	.30	.20	—	20 @ 15	White	.30	.221	.196	.187
200362CB	EVQPB04K⊕ ♦†	8	5	.24	.24	.14	.30	.17	.26	20 @ 15	Black	.29	.26	.23	.20
137189CB	PBS103⊕	1	4	.47	.47	.17	—	.20	.50	50 @ 12	Black	.39	.35	.32	.19
153251CB	SDT620K⊕	2	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.29	.25	.20	.18
155248CB	KRS-3550-BK⊕	5	2	.24	.14	.15	—	—	.27	50 @ 12	Black	.22	.20	.16	.15
155379CB	KRS-1273B⊕ ♦	6	4	.47	.47	.14	.14	.17	.53	50 @ 12	Brown	.39	.35	.31	.26

Tactile Switch Caps♦

10 piece minimum

Part No.	Cross Ref. No.	Fig.	Description	Size (in.)	Material	For Use With	10	100	250
155389CB	KRS-CAP-A⊕	9	Square	.47"L x .47"W x .16"H	Plastic	P/N 155379CB	$.15	$.11	$.10
155408CB	KRS-CAP-B⊕	10	Round	.50"Dia. x .25"H	Plastic	P/N 155379CB	.15	.13	.11

Other Manufacturers — Great Deals

Part No.	Cross Ref. No.*	Fig.	Pins	Dimensions (in.) L	W	D	C	Lead Spacing A"	B"	Contact Rating (mA @ VDC)	Button Color	Pricing 1	10	100	250
199726CB	EVQ11A04M⊕	7	2	.24	.24	.14	.30	.20	—	20 @ 15	White	$.27	$.199	$.176	$.168
206341CB	KPT1107A	5	2	.24	.14	.15	—	—	.25	50 @ 12	Beige	.23	.21	.19	.17
454491CB	DST21N⊕	1	4	.47	.47	.14	.03	.19	.47	50 @ 12	Brown	.23	.21	.19	.17
454504CB	DTSM-61R[1]⊕	2	4	.24	.24	.15	.03	.19	.32	50 @ 12	Red	.23	.21	.19	.17
454512CB	DSTM-61K[1]⊕	2	4	.24	.24	.15	.03	.19	.32	50 @ 12	Black	.23	.21	.19	.17
202956CB	KSM06330	8	2	.24	.24	.15	.38	.11	.18	50 @ 24	Red	.26	.15	.13	.12

* Manufacturer may vary † **200362CB:** with ground pin ♦ See switch caps above 1 **454504CB/454512CB** SMD

Detect Switches


DDS Series


KDS Series


KSM Series


KSU Series


SDS Series

DDS Series Micro Mini Thru-Hole

- 2mm overtravel – Ideal for detector applications mechanical device
- Contact rating: 0.1A @ 30VDC
- Insulation resistance: 100MΩ min @ 100VDC
- Contact resistance: 150mΩ max.
- Operating temp.: -25˚C to +85˚C

KDS Series Intrusion

- Slot mount into chassis to reduce installation cost
- Contact rating: 0.4A @ 20VAC/DC
- Insulation resistance: 1000MΩ
- Contact resistance: 200mΩ max.
- Operating temp.: -30˚C to +85˚C

KSM Series Side Actuated

- Low profile – 1,5 mm
- Insulation resistance: 1000MΩ
- Contact resistance: ≤200mΩ
- Operating temp.: -40˚C to +125˚C

KSU Series Micro Mini Surface Mount

- New multi contact construction
- Contact resistance: ≤100mΩ
- Insulation resistance: 1000MΩ min. @ 100VDC
- Momentary, normally closed contact
- Operating temp.: -40˚C to +125˚C
- Dielectric strength: ≥250V_{RMS}

SDS Series Side Actuated

- Low profile package sits just 2mm off PCB
- Insulation resistance: 100MΩ min. @ 100VDC
- Operating temp.: -20˚C to +60˚C
- Contact resistance: 100mΩ max.

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See Our Complete C&K Detect Switch Offering at www.Jameco.com/Prod/CKDetect

B3F Series Miniature Tactile Key Switch

OMRON



Miniature, low profile and easy mounting. Applications: audio, office & communications equipment, measuring instruments, TVs, VCRs, etc.

- Extended mechanical/ electrical service life
- Flux-tight base structure allows automatic soldering of the key switch onto a PC board
- Lead spacing: A = 0.18"; B = 0.26"
- Operating force: 188787CB general purpose 100g P/N 162886CB and high-force 260g
- Dimensions: 162886CB 4.3 mm x 6.5 mm 188787CB 7.3mm x 6.5mm

Part No.	Type	1	25	50	100
162886CB	B3F-1000⊕	$.45	$.40	$.36	$.33
188787CB	B3F-1050	.35	.29	.21	.17

Magnetic Reed Switches

- NO (normally open)
- Contact form: SPST

171871CB:

- 500mA @ 100VDC
- Size: 0.53"L x 0.1"Dia.


164081CB

164081CB: 1A @ 250VAC; 1A @ 50VDC

- Size: 1.43"L x 0.2"Dia.

Part No.	Cross Ref. No.	1	10	100	1000
171871CB	MKA14103⊕	$.79	$.64	$.46	$.41
164081CB	MRS1	.79	.63	.43	.39

Alcoswitch Tactile Switches

FSM Series



- Operating temp.: -40˚C to +85˚C
- Initial contact resistance: 100mΩ max.
- Insulation resistance: 100MΩ min. @ 500VDC
- Dielectric strength: 500VAC for 1 minute

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See Our Alcoswitch Tactile Switch Offering at www.Jameco.com/Prod/AlcoTactile

Navigation Switches

TPA Series Tact for SMT



- One touch, 5 way switching
- Distinctive tactile feel for scanning and select functions
- Contact resistance: ≤200mΩ initial
- Insulation resistance: 1000MΩ @ 100VDC
- Dielectric strength: 250VDC

TPC Series Tri-Direction Scan



- One touch, 3 way switching
- Superior tactile feel
- Rotation of actuator closes two individual contacts
- Contact resistance: ≤300mA
- Insulation resistance: 1000MΩ @ 100VDC
- Dielectric strength: 250VDC
- Operating temp.: -40˚C to +125˚C

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See Our Complete C&K Navigation Switch Offering at www.Jameco.com/Prod/CKNavigation

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Rotary Switches

JAMECO ValuePro

A Jameco EXCLUSIVE

- Contact rating: 30VDC @ 0.3A • Insulation resistance: 10MΩ min.
- Contact resistance: 30mΩ • Lug size: 0.07" • Mounting hole diameter: 3/8" • Layers: 1
- Material: solid brass bushings, slotted aluminum shafts, plated frame, phenolic contact wafer (except for P/N 101565CB – plastic casing) • Make before break • Solder lugs
- Compatible with Jameco rotary knobs P/N 102787CB and 104176CB, pg 182 • Panel mount

Includes: Washer and nut



101573CB

Part No.	Cross Ref. No.	Poles	Position	Shaft Size (L" x Dia.")	1	10	100
101531CB	RS0261 ⊕	1	12	0.46 x 0.25	$1.39	$1.25	$1.12
101573CB	RS022 ⊕	2	6	0.46 x 0.25	1.35	1.15	.86
101565CB	RS023 ⊕	3	4	1.16 x 0.25	1.95	1.59	1.25
101557CB	RS024 ⊕	4	3	0.46 x 0.25	1.09	.93	.69

Alcoswitch Rotary Switches

MRC Series

- Contact rating: 500mA @ 125 VAC or 28 VDC resistive
- Insulation resistance: 100MΩ min. • Operating temp.:-20˚C to +80˚C
- Dielectric strength: 1000 V_{RMS} @ sea level



MRC Series

MRJ Series

- Contact rating: 0.4 VA max. @ 20 VDC or peak AC
- Insulation resistance: 10,000MΩ min. • Operating temp.: -20˚C to +70˚C
- Dielectric strength: 1000 V_{RMS} @ sea level

6000 Series

- Current/voltage rating: Signal application only
- Insulation resistance: 1000MΩ • Operating temp.: -18˚C to +88˚C
- Dielectric breakdown voltage: 500VDC min.
- Compact design, small diameter, low profile switches are ideal for pc board mounting



6000 Series

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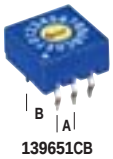
See Our Alcoswitch Rotary Switch Offering at www.Jameco.com/Prod/AlcoRotary

Excell Rotary DIP Switches

- Gold plated contacts to ensure reliable, low resistance connection
- Fully sealed construction • Terminals: PC pin leads
- Life: 10,000 cycles min. • Op force: 500g-cm max.
- Max. switching load rating: 25mA @ 24VDC
- Material: 94V-0 grade, UL approved fire retardant plastic
- Lead spacing: A = 0.1"; B = 0.3"



139635CB



139651CB

Part No.	Cross Ref. No.	Position	Adjust	Code Type	W" x D" x H"	1	10	50	100
139635CB	ERD110RS(DRD10) ⊕	10	top	BCD	.39 x .39 x .20	$2.59	$2.33	$2.07	$1.86
139651CB	ERD116RS ⊕	16	top	Hex	.39 x .20 x .39	2.75	2.49	2.22	1.99

Rotary Switches

C5 Series 0.92" Dia.

- Current/voltage rating: 1.0A @ 28VDC • Current carrying capacity: 5A
- Contact resistance: initial 20mΩ



C5 Series

D2 Series 1" Dia.

- Current/voltage rating: 0.55A @ 28VDC
- Current carrying capacity: 7A • Contact resistance: initital 5mΩ

D3 Series 1 5/16" Dia. & D4 Series 1.437" Dia.

- Current/voltage rating: 1.5A @ 28VDC
- Current carrying capacity: 9A • Contact resistance: initital 3.5mΩ

D7 Series 1 7/8" Dia.

- Current/voltage rating: 2.25A @ 28VDC
- Current carrying capacity: 9A • Contact resistance: initital 3.5mΩ



D7 Series

D8 Series 2 5/16" Dia.

- Current/voltage rating: 2.25A @ 28VDC • Current carrying capacity: 9A • Contact resistance: initial 5mΩ

D9 Series 2 5/16" Dia.

- Current/voltage rating: 1.5A @ 28VDC • Current carrying capacity: 9A • Contact resistance: initial 5mΩ

E2 Series Lever Action

- Current/voltage rating: 1.5A @ 28VDC • Current carrying capacity: 9A • Contact resistance: initial 3.5mΩ

E4 Series 2 13/16" Dia.

- Current/voltage rating: 11.0A @ 28VDC • Current carrying capacity: 17A • Contact resistance: initial 7mΩ

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See Our ElectroSwitch Rotary Switch Offering at www.Jameco.com/Prod/ElectroRotary

Rotary Switches

C&K

A Series 1-4 Pole

- Multi-pole and multi-position
- Positive detent
- Contact rating: -2.5A @ 125VAC; 350mA @ 125VDC
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 1000V_{RMS} @ sea level



A Series

M Series 1/2 Inch

- Stainless steel actuator
- Multi-pole and multi-position
- Contact rating: 250mA @ 125VAC/28VDC
- Insulation resistance: 10000MΩ min.
- Operating temp.: -30˚C to +85˚C
- Dielectric strength: 600V_{RMS} @ sea level



M Series

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete C&K Rotary Switch Offering at www.Jameco.com/Prod/CKRotary

Rotary Switches

GC

- 0.3A, 3A, 5A or 6A @ 125VAC
- 1.5A, 2.5A or 3A @ 250VAC
- Terminal type: wire leads, solder eyelet or non-shorting

NEW ON THE WEB



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC Rotary Switch Offering at www.Jameco.com/Prod/GCRotary

Rotary DIP Switches

- Fully sealed construction
- Rotor and switch body: plastic (UL94V-0)
- Contact and terminal material: copper alloy plated
- Make and break current rating: 30mA @ 30VDC for 10,000 cycles



215992CB

215992CB:

- Code type: HEX • 16-position
- 0.1" x 0.3" pin spacing (standard through hole)
- Size: 0.39"W x 0.39"D x 0.20"H
- Top adjustment



216004CB

216004CB:

- Code type: BCD • 10-position
- 0.1" pin spacing (right angle through hole)
- Size: 0.43"W x 0.28"D x 0.40"H
- Side adjustment

645669CB:

- Code type: octal
- 8-position • 0.270" actuator type



645669CB

Part No.	Product No.	1	10	100	1000
215992CB	HAB16 ⊕	$1.95	$1.75	$1.59	$1.45
216004CB	HAB10R ⊕	1.75	1.59	1.45	1.29
645669CB	HBB08 ⊕	2.25	2.05	1.89	1.69

DIP Switches

GC

- 2A @ 5VDC or 25mA @ 25VDC
- No. of positions: 1 to 12



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our GC DIP Switch Offering at www.Jameco.com/Prod/GCDIP

Electromech

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Alcoswitch — Vertical SIP Switches



SSV Series

- Contact rating: 0.4VA @ 20VDC max.
- Operating temp.: -30˚C to +85˚C
- Insulation resistance: 100MΩ min. @ 100VDC
- End-to-end stackable in .100" center
- High pressure wiping contacts allow aqueous or solvent cleaning
- Dielectric strength: 500VAC

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch SIP Switch Offering at www.Jameco.com/Prod/AlcoSIP

Alcoswitch — DIP Switches



AD Series

- Contact rating: 0.4VA @ 20VDC max.
- Dielectric strength: 500VAC
- Insulation resistance: 1,000MΩ min. @ 100VDC
- Auto-insertable and surface mountable
- Operating temp.: -30˚C to +85˚C
- Unique design can withstand vapor phase reflow or wave soldering conditions

GD Series

- Contact rating: 0.4VA 25ma @ 24VDC
- Insulation resistance: 100 Megohms min. @ 250VDC
- Dielectric strength: 300VAC
- Operating temp.: -30˚C to +85˚C
- Heat deflection temperature of 260°C for surface mount compatibility

DRD Series Sealed Rotary

- Contact rating: 0.4VA max. @ 20VDC max.
- Operating temp.: -30˚C to +85˚C
- Insulation resistance: 1,000MΩ min. @ 100VDC
- Dielectric strength: 300VAC RMS @ sea level
- Withstands the stringent 60°C, one minute immersion "Bubble" Test

7000 Series

- Available in standard single pole, single throw; side actuated, single pole, single throw & multiple series
- Current/voltage rating: Non-switching-1.0A max. @ 50VDC
- Dielectric withstanding voltage: 500VDC min.

7100 Series SPST Rocker Style Actuator

- Current/voltage rating: Non-switching-1.0A max. @ 40VDC
- Dielectric withstanding voltage: 500VDC min.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Alcoswitch DIP Switch Offering at www.Jameco.com/Prod/AlcoDIP

Grayhill — DIP Switches

- Insulation resistance: 1000MΩ @ 100VDC min.
- Operating temp.: -40˚C to +85˚C

76 Series SPST Rocker Through Hole

- Carrying current rating: 5A
- Sealed base standard
- Dielectric strength: 500V_{RMS}
- Spring & ball contact



76 Series

76 & 78 Series SPDT Through Hole

- Carrying current rating: 4A or 5A
- Dielectric strength: 500V_{RMS}
- Spring and ball contact
- Raised and recessed rocker and toggle actuated styles

78 Series SPST to 4PST Slide Through Hole

- Carrying current rating: 4A
- Spring & ball contact
- Dielectric strength: 500V_{RMS}
- Sealed base standard
- Raised & recessed slides



90B Series

90B Series Machine Insertable Through Hole

- Carrying current rating: 3A
- High pressure, reliable contacts
- Dielectric strength: 500V_{RMS}

90HB Series SPST, Low Profile SMT

- Carrying current rating: 3A
- Reliable spring and ball contact
- Top seal withstands high pressure aqueous cleaning
- Dielectric strength: 500V_{RMS}



94H Series

94H Series Rotary

- Carrying current rating: 100mA @ 50VDC
- Dielectric strength: 250V_{RMS}
- Sealed construction; no tape seal required

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Grayhill DIP Switch Offering at www.Jameco.com/Prod/GrayhillDIP

Tri-State DIP Switch

A Jameco EXCLUSIVE

- Switch contacts: bused, tri-state
- 8 positions
- Pre-tinned leads
- Labeled tri-state positions (+, 0, -)
- Contact rating: 24VDC @ 25mA
- Compatible socket, use P/N 37372CB, pg 133
- Two isolated buses



Part No.	Cross Ref. No.	1	10	50	100
138991CB	ETA108E⊕	$1.95	$1.75	$1.55	$1.35

DIP Switches



206359CB



139002CB



139011CB



38842CB



38800CB

- Switch contacts: SPST
- Switches are numbered
- 50VDC @ 100mA
- Molded construction
- Standard switches have raised lever
- LP switches are flush to casing
- Pre-tinned leads

A Jameco EXCLUSIVE

Compatible Socket Chart, see page 133 for Sockets

Switch	Socket	Switch	Socket	Switch	Socket
109058CB	112192CB	38827CB	37161CB	101857CB	38113CB
38819CB	51570CB	38842CB	37372CB	38798CB	38607CB
139003CB	51570CB	139011CB	37372CB	38800CB	39378CB
109057CB	112192CB	139002CB	51570CB	38834CB	37161CB
38818CB	51570CB	38826CB	37161CB	101856CB	38113CB
206359CB	51570CB	454547CB	—	38797CB	38607CB

Part No.	Cross Ref. No.	Pos.	Pricing 1	10	100	1000
109058CB	206-2⊕	2	$.75	$.68	$.61	$.55
38819CB	206-4⊕	4	.65	.55	.49	.45
139003CB	206-4LP⊕	4	.79	.70	.55	.44
38827CB	206-6⊕	6	.99	.89	.79	.72
38842CB	206-8⊕	8	.89	.80	.72	.64
139011CB	206-8LP⊕	8	.85	.76	.61	.47
101857CB	206-9⊕	9	.85	.79	.69	.54
38798CB	206-10⊕	10	.95	.86	.68	.59
38800CB	206-12⊕	12	1.05	.99	.93	.62

Other Manufacturers — Great Deals

109057CB	206-2*⊕	2	$.69	$.61	$.56	$.51
206359CB	206-3*✪	3	.79	.65	.55	.413
38818CB	206-4⊕	4	.48	.44	.40	.36
139002CB	206-4LP*⊕	4	.73	.64	.51	.41
38826CB	206-6*⊕	6	.91	.82	.73	.66
454547CB	DMR06T†⊕	6	.89	.80	.71	.58
38834CB	206-7*⊕	7	.95	.86	.77	.62
101856CB	206-9*⊕	9	.78	.73	.61	.46
38797CB	206-10*⊕	10	.87	.79	.71	.59

* Manufacturer may vary † SMT ✪ Blue Part No. = Limited Quantity Available

16-Button Numeric Keypad

A Jameco EXCLUSIVE



- 4 x 4 matrix keypad
- 8-position solder pad
- Contact rating: 24VDC @ 20mA
- Contact resistance: 200Ω max.
- Life test: 1,000,000 life cycles per key
- Size: 3.0"L x 2.8"W x 0.6"H

Part No.	Description	1	10	100
169244CB	Numeric keypad⊕	$7.95	$6.95	$6.25

Grayhill — Modular Keypad Switches

Series 82

NEW



472948CB

- Unlighted for legend inserts
- Rating: 100mA @ 5VDC
- Gray
- Contact resistance: 25mΩ or less
- Insulation resistance: 1000MΩ min.

Part No.	Description	1	10	25	100
472948CB	SPST 1 button♠	$4.09	$3.66	$3.02	$2.93
472956CB	4PST 4 button♠	5.45	4.85	4.03	3.86

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

DIP Switches


BD Series


BPA Series


CD Series


CRD Series


SD Series


RTE Series


SDA Series


TDA Series

BD Series Standard Profile
- Traditional full profile DIP switch
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 500V_{RMS} @ sea level
- Contact rating: 100mA @ 50VDC
- Opertating temp.: -40˚C to +85˚C

BPA Series Side Actuated
- Side actuated contacts
- Dielectric strength: 300VAC for 1 min.
- Insulation resistance: 100VDC 100MΩ min.
- Contact rating: 100mA @ 50VDC
- Operating temp.: -20˚C to +85˚C

CD Series 8mm Coded Rotary
- Crisp, positive detent ensures actuation
- Insulation resistance: 1000MΩ min. @ 250VDC
- Dielectric strength: 250V_{RMS} @ sea level
- Contact rating: 0.4VAC, DC 20V max.
- Operating temp.: -25˚C to +85˚C

CRD Series 10mm Coded Rotary
- Crisp, positive detent ensures actuation
- Insulation resistance: 1000MΩ min. @ 100VDC
- Dielectric strength: 300VAC for 1 min.
- Contact rating: 0.4VAC, DC 20V max.
- Operating temp.: -20˚C to +85˚C

SD Series Low Profile
- Sealed with top tape
- Insulation resistance: 10MΩ or 1000MΩ min.
- Dielectric strength: 500V_{RMS} @ sea level
- Contact rating: 100mA @ 50VDC
- Operating temp.: -20˚C to +85˚C

RTE Series Low Profile Rotary
- Process-sealed, withstands soldering/cleaning
- Insulation resistance: 1000MΩ min.
- Dielectric strength: 500V_{RMS} or 300V_{RMS}
- Contact rating: 100mA @ 50VDC
- Operating temp.: -25˚C to +85˚C

SDA Series Low Profile
- Contact rating: 25mA @ 24VDC; 100mA @ 50VDC
- Insulation resistance: 1000MΩ min. @ 100VDC
- Dielectric strength: 300VAC for 1 min.
- Operating temp.: -20˚C to +85˚C

TDA Series Low Profile
- Contact rating: 25mA @ 24VDC; 100mA @ 50VDC
- Insulation resistance: 1000MΩ min. @ 100VDC
- Dielectric strength: 300VAC for 1 min.
- Operating temp.: -20˚C to +85˚C

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See Our Complete C&K DIP Switch Offering at www.Jameco.com/Prod/CKDIP

Key Switches

D6 Series SPST Momentary
- Switching power: 6VA max.
- Operating temp.: -20˚C to +85˚C
- Contact resistance: ≤100 mΩ
- Easy X, Y coding on single sided PCB
- Dielectric strength: 1000V for 1 minute @50Hz
- Insulation resistance: ≥100000MΩ


D6 Series

K6 Series Miniature
- Designed for low-level switching
- Switching voltage: 2VDC/30VDC
- Contact resistance: initial 50 mΩ
- Dielectric strength: ≥300V @ 50Hz
- Switching power: 0.02mV/3W DC
- Operating temp.: -40˚C to +85˚C
- Insulation resistance: ≥10000MΩ


K6 Series

K12 Series High Performance
- High reliability / long life
- Switching voltage: 2VDC/30VDC
- Contact resistance: initial 50 mΩ
- Dielectric strength: ≥500V @ 50Hz
- Switching power: 0.02mV/3W DC
- Operating temp.: -40˚C to +85˚C
- Insulation resistance: ≥10000MΩ

KS Series SPST Momentary
- Operating temp.: -30˚C to +65˚C
- Contact resistance: < 100 mΩ initial @ 2-4 V DC, 100 mA
- Insulation resistance: ≥10000MΩ
- Contact rating: 25mA @ 50V AC/DC max.
- Dielectric strength: 1000V_{RMS} @ sea level


PVA Series

PVA Series Short Stroke
- Switching voltage: 50VDC
- Contact resistance: initial ≤100 mΩ
- Dielectric strength: 1000V or 750V @ 50Hz
- Operating temp.: -40˚C to +85˚C
- Insulation resistance: ≥10000MΩ
- Switching power: 3W DC

Digitast Series Microminiature SPDT
- Switching power: 240mW DC
- Switching voltage: 24VDC
- Contact resistance: initial ≤50 mΩ
- Dielectric strength: 500V @ 50Hz
- Operating temp.: -25˚C to +85˚C
- Insulation resistance: ≥10000MΩ


Digitast

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See Our Complete C&K Key Switch Offering at www.Jameco.com/Prod/CKKeySwitches

Keyboard Switches


ML Series


MX Series

ML Series Notebook Profile .27"
- Normally open contact
- Current: 10mA AC/DC max, 100µA DC min.
- Insulation resistance: 100MΩ @ 100VDC
- Voltage: 12VAC/DC max, 2VDC min.
- Life: >20 million operations

MX Series Desktop Profile .60"
- PCB or frame mount
- Current: 10mA AC/DC max, 10µA DC min.
- Voltage: 12VAC/DC max, 2VDC min.
- Insulation resistance: 100MΩ @ 100VDC

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Keyboard Switch Offering at www.Jameco.com/Prod/CherryKbdSwitches

12-Button Telephone Keypads


153488CB

- 8-pin .100" header
- Contact rating: 12VDC @ 20mA
- Contact resistance: 200Ω max.
- White plastic tactile type keypad
- Life test: 1,000,000 cycles per key
- Size: 2.8"L x 2.2"W x 0.6"H

Part No.	Description	1	10	100
190561CB	Numeric keypad ⊕	$8.75	$7.45	$5.59
153488CB	Alpha numeric keypad ⊕	9.49	8.55	7.69

16-Button Keypad Switch



- ½" button centers • Flange mounted
- Top surface or sub-surface mounting
- Snap-dome contact provides positive feedback • 4" x 4" grid
- Rating @ 24VDC: 10mA resistive
- Contact resistance: 10Ω maximum (compatible with MOS, TTL, and DTL)
- Voltage breakdown: 250VAC
- Life expectancy: 3,000,000 operations per button

Part No.	Product No.	1	10	100
302025CB	86BB2-006 ⊕	$18.55	$16.79	$16.15

16-Button Indoor/Outdoor Keypads


196171CB

- 9-pin .100" headers
- Compatible with MOS, TTL and DTL (10Ω max.)
- Contact rating: 24VDC @ 10mA resistive
- Fully sealed snap-dome contact
- Life test: 3,000,000 cycles per key
- Recommended connector: P/N 103190CB header and P/N 100765CB pin, pg 134
- Size (housing): 4.7"W x 1.7"H x 0.4"T


152063CB

✳ **Minimum order 10 pieces**

Part No.	Description	1	10	100
196171CB	2x8 matrix keypad ⊕	$16.95	$15.29	$13.75
152063CB	4x4 matrix keypad ⊕ ..	14.95	13.49	11.95
103190CB	Header housing (10-pin) ⊕	.42	.39	.36
100765CB	Header pin (10 per pack) ⊕ ✳	.14	.11	

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Potter & Brumfield General Purpose Relays

- UL/CSA approved
- Industry standard termination for quick installation
- Contact arrangements from SPDT to 4PDT
- Wide range of coil voltages for industrial and commercial applications


Figure 1


Figure 2


Figure 3


Figure 4


Figure 5


Figure 6


Figure 7

Part No.	Product No.	Tyco No.	Figure	Contact Form	Coil Voltage	Coil Resistance (Ω)	Coil Current (mA)	Mating Socket*		Pricing			
								Standard	DIN Rail	1	10	25	50
282247CB	K10P-11A15-120 ⊕	4-1393144-0	1	DPDT	120VAC	3,900	11	27E488/489	27E895	**$6.99**	**$6.49**	**$6.09**	**$5.42**
282255CB	K10P-11D15-12 ⊕	5-1393144-5	1	DPDT	12VDC	160	75	27E488/489	27E895	**7.25**	**6.90**	**6.54**	**5.90**
282263CB	K10P-11D15-24 ⊕	5-1393144-7	1	DPDT	24VDC	650	37	27E488/489	27E895	**7.29**	**6.55**	**6.35**	**5.78**
282280CB	KHAU-17A11-24 ⊕	2-1393122-1	2	4PDT	24VAC	160	52	27E166	27E894	**5.45**	**5.29**	**5.17**	**4.77**
282271CB	KHAU-17A11-120 ⊕	2-1393122-0	2	4PDT	120VAC	3,900	11	27E166	27E894	**6.09**	**5.949**	**5.809**	**5.69**
282301CB	KHAU-17D11-12 ⊕	4-1393122-3	2	4PDT	12VDC	160	100	27E166	27E894	**5.69**	**5.52**	**5.352**	**5.077**
282319CB	KHAU-17D12-24 ⊕	5-1393122-7	2	4PDT	24VDC	650	52	27E166	27E894	**6.15**	**5.925**	**5.699**	**5.259**
300943CB	KRPA-5AG-24 ⊕	9-1393104-9	3	SPDT	24VAC	85	84	27E122	27E891	**26.35**	**24.92**	**23.40**	**22.01**
282431CB	KRPA-5AG-120 ⊕	9-1393104-8	3	SPDT[G]	120VAC	2,250	17.5	27E122	27E891	**16.45**	**15.84**	**15.23**	**14.06**
300951CB	KRPA-5AY-120 ⊕	1393105-1	3	SPDT[Y]	120VAC	2,250	17.5	27E122	27E891	**24.55**	**23.26**	**21.84**	**20.06**
300960CB	KRPA-5DG-12 ⊕	1393105-3	3	SPDT	12VDC	120	100	27E122	27E891	**18.15**	**17.99**	**17.83**	**17.35**
282440CB	KRPA-5DG-24 ⊕	1393105-4	3	SPDT	24VDC	472	51	27E122	27E891	**17.65**	**16.52**	**15.42**	**13.95**
300986CB	KRPA-11AG-6 ⊕	2-1393104-8	3	DPDT	6VAC	6	335	27E122	27E891	**16.19**	**15.72**	**15.25**	**14.08**
282335CB	KRPA-11AG-12 ⊕	2-1393104-4	3	DPDT[G]	12VAC	24	168	27E122	27E891	**12.55**	**11.54**	**10.99**	**9.95**
282351CB	KRPA-11AG-24 ⊕	1-1393105-2	3	DPDT[G]	24VAC	85	84	27E122	27E891	**10.79**	**10.37**	**9.87**	**9.10**
282343CB	KRPA-11AG-120 ⊕	2-1393104-5	3	DPDT[G]	120VAC	2,250	17.5	27E122	27E891	**10.05**	**9.82**	**9.55**	**8.79**
300994CB	KRPA-11AG-240 ⊕	2-1393104-7	3	DPDT[G]	240VAC	9,110	8.75	27E122	27E891	**17.95**	**17.42**	**16.88**	**15.58**
301006CB	KRPA-11AN-12 ⊕	3-1393104-1	3	DPDT[N]	12VAC	24	168	27E122	27E891	**15.15**	**14.72**	**14.29**	**13.20**
301014CB	KRPA-11AN-24 ⊕	3-1393104-3	3	DPDT[N]	24VAC	85	84	27E122	27E891	**17.25**	**16.50**	**15.77**	**14.57**
282360CB	KRPA-11AN-120 ⊕	3-1393104-2	3	DPDT[N]	120VAC	2,250	17.5	27E122	27E891	**10.89**	**10.53**	**10.16**	**9.35**
301022CB	KRPA-11AN-240 ⊕	3-1393104-4	3	DPDT[N]	240VAC	9,110	8.75	27E122	27E891	**14.75**	**13.83**	**12.91**	**11.68**
301031CB	KRPA-11AY-24 ⊕	3-1393104-7	3	DPDT[Y]	24VAC	85	84	27E122	27E891	**15.69**	**15.24**	**14.79**	**13.65**
301049CB	KRPA-11AY-120 ⊕	3-1393104-6	3	DPDT[Y]	120VAC	2,250	17.5	27E122	27E891	**11.55**	**11.05**	**10.56**	**10.25**
301057CB	KRPA-11DG-6 ⊕	4-1393104-7	3	DPDT	6VDC	22	188	27E122	27E891	**13.09**	**12.90**	**12.70**	**12.36**
282378CB	KRPA-11DG-12 ⊕	4-1393104-3	3	DPDT[G]	12VDC	120	100	27E122	27E891	**10.75**	**10.31**	**9.87**	**9.10**
282386CB	KRPA-11DG-24 ⊕	4-1393104-5	3	DPDT[G]	24VDC	472	51	27E122	27E891	**12.25**	**11.65**	**11.30**	**10.51**
301065CB	KRPA-11DG-48 ⊕	4-1393104-6	3	DPDT	48VDC	1,800	26.6	27E122	27E891	**16.35**	**15.79**	**15.24**	**14.06**
301073CB	KRPA-11DG-110 ⊕	4-1393104-2	3	DPDT[G]	110VDC	10,000	11.5	27E122	27E891	**13.05**	**12.47**	**11.88**	**10.89**
301081CB	KRPA-11DG-125 ⊕	4-1393104-4	3	DPDT	125VDC	10,000	11.5	27E122	27E891	**16.95**	**16.40**	**15.84**	**14.61**
301090CB	KRPA-11DN-12 ⊕	5-1393104-0	3	DPDT[N]	12VDC	120	100	27E122	27E891	**15.75**	**15.58**	**14.62**	**12.99**
282394CB	KRPA-11DN-24 ⊕	5-1393104-1	3	DPDT[N]	24VDC	472	51	27E122	27E891	**11.15**	**10.68**	**10.21**	**9.42**
301102CB	KRPA-11DN-110 ⊕	4-1393104-9	3	DPDT[N]	110VDC	10,000	11.5	27E122	27E891	**17.65**	**17.18**	**16.71**	**14.85**
301111CB	KRPA-11DY-24 ⊕	5-1393104-7	3	DPDT[Y]	24VDC	472	51	27E122	27E891	**12.55**	**11.77**	**10.99**	**9.95**
301145CB	KRPA-14AN-24 ⊕	7-1393104-4	3	3PDT[N]	24VAC	85	84	27E123	27E892	**14.89**	**14.69**	**14.48**	**14.09**
282415CB	KRPA-14AN-120 ⊕	7-1393104-3	3	3PDT[N]	120VAC	2,250	17.5	27E123	27E892	**13.45**	**12.88**	**12.30**	**11.37**
301153CB	KRPA-14AN-240 ⊕	7-1393104-5	3	3PDT[N]	240VAC	9,110	8.75	27E123	27E892	**21.85**	**20.68**	**19.42**	**18.27**
301129CB	KRPA-14AG-24 ⊕	6-1393104-7	3	3PDT[G]	24VAC	85	84	27E123	27E892	**11.09**	**10.64**	**10.17**	**9.75**
282407CB	KRPA-14AG-120 ⊕	6-1393104-5	3	3PDT[G]	120VAC	2,250	17.5	27E123	27E892	**11.79**	**11.20**	**10.82**	**9.98**
301137CB	KRPA-14AG-240 ⊕	6-1393104-8	3	3PDT[G]	240VAC	9,110	8.75	27E123	27E892	**19.35**	**18.84**	**18.33**	**17.72**
301161CB	KRPA-14AY-24 ⊕	7-1393104-8	3	3PDT[Y]	24VAC	85	84	27E123	27E892	**18.25**	**17.84**	**16.75**	**15.76**
301170CB	KRPA-14AY-120 ⊕	7-1393104-7	3	3PDT[Y]	120VAC	2,250	8.75	27E123	27E892	**18.25**	**17.49**	**16.72**	**15.43**
301188CB	KRPA-14DG-12 ⊕	8-1393104-2	3	3PDT	12VDC	120	100	27E123	27E892	**13.95**	**13.55**	**13.16**	**12.21**
282423CB	KRPA-14DG-24 ⊕	8-1393104-4	3	3PDT[G]	24VDC	472	51	27E123	27E892	**12.05**	**11.57**	**11.08**	**10.22**
301196CB	KRPA-14DG-48 ⊕	8-1393104-5	3	3PDT	48VDC	1,800	26.6	27E123	27E892	**20.35**	**19.26**	**18.09**	**17.01**
301209CB	KRPA-14DG-110 ⊕	8-1393104-1	3	3PDT	110VDC	10,000	11.5	27E123	27E892	**15.89**	**14.39**	**13.89**	**12.56**
301217CB	KRPA-14DN-24 ⊕	9-1393104-0	3	3PDT[N]	24VDC	472	51	27E123	27E892	**12.49**	**11.97**	**11.44**	**10.55**
282458CB	KUHP-11A51-120 ⊕	6-1393114-9	4	DPDT	120VAC	1,700	24	—	—	**11.09**	**10.89**	**10.85**	**10.75**
282466CB	KUL-11A15S-120 ⊕	2-1393115-6	5	DPDT	120VAC	3,700	30	27E121	27E893	**34.05**	**31.24**	**29.81**	**26.97**
282474CB	KUP-14A15-120 ⊕	7-1393117-8	6	3PDT[1]	120VAC	1,700	24	27E121	27E893	**10.49**	**10.19**	**9.89**	**9.20**
282482CB	KUP-14A35-120 ⊕	8-1393117-7	6	3PDT[2]	120VAC	1,700	24	27E121	27E893	**12.49**	**11.87**	**11.24**	**10.06**
282503CB	KUP-14D15-24 ⊕	1-1393118-4	6	3PDT	24VDC	472	51	27E121	27E893	**11.45**	**10.72**	**9.99**	**9.07**
282491CB	KUP-14D15-110 ⊕	1-1393118-2	6	3PDT	110VDC	10,000	11	27E121	27E893	**11.89**	**11.15**	**10.41**	**9.42**
282538CB	R10-E1X4-V185 ⊕	1-1393766-4	7	4PDT	12VDC	185	60	27E163	27E461	**14.89**	**14.37**	**13.84**	**12.93**

* For sockets see page 173
Y = Silver contacts, no indicator lamp
G = Silver-cadmium oxide, no lamp
N = Silver-cadmium oxide with lamp
1 = Plain case
2 = with indicator lamp

To Find Additional P&B General Purpose Relays, Visit Our Website at www.Jameco.com/Prod/PBGP

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Relay Sockets


282132CB


282183CB


282124CB


282191CB

Relay Sockets for KRPA Series (Octal)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282132CB	27E122⊕	DPDT	8	Standard	$3.95	$3.80	$3.66	$3.26
282159CB	27E891⊕	DPDT	8	DIN Rail	4.55	4.33	4.16	3.83
282141CB	27E123⊕	3PDT	11	Standard	4.75	4.40	4.05	3.60
282167CB	27E892⊕	3PDT	11	DIN Rail	7.89	7.33	6.77	6.02

Relay Socket for KHAU Series

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282183CB	27E894⊕	4PDT	14	DIN Rail	$6.75	$6.48	$6.20	$5.51

Relay Sockets for KUP Series (11-blade square)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282124CB	27E121⊕	3PDT	11	Standard	$6.99	$6.49	$5.99	$5.32
282175CB	27E893⊕	3PDT	11	DIN Rail	7.89	7.50	7.27	6.54

Relay Socket for K10 Series (8-blade square)

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282191CB	27E895⊕	DPDT	8	DIN Rail	$5.59	$5.19	$4.79	$4.42

To Find Additional P&B Sockets, Visit Our Website at www.Jameco.com/Prod/PBRelaySockets

DIN Rail Mount Socket and Track Mounting System

For use with KHAU, KUP, and K10 series DIN relay sockets

282204CB: End clip insulator for preventing sockets from moving sideways or sliding off track
282108CB: Steel mounting clip with #6-32 screw (7/16")


282204CB


282108CB


282116CB

Part No.	Product No.	Description	1	10	25	50
282204CB	40G432⊕	Mounting plastic insulator	$.62	$.61	$.60	$.58
282108CB	24A071⊕	Steel mounting clip	.52	.48	.46	.45
282116CB	24A110⊕	36" mounting track	10.15	9.59	9.03	8.28

To Find Additional P&B DIN Rail Products, Visit Our Website at www.Jameco.com/Prod/PBDIN

S89R Series Bistable, Impulse Relay

- Contact rating: 15A • Nominal power: 9W @ 25°C
- Contact life: 10 million operations; 50,000 mechanical operations
- Initial breakdown voltage: 1,500Vrms, 60Hz
- Dust cover with octal plug-in base • Current: 75mA



Part No.	Product No.	Voltage	Resistance	1	10	25	50
282546CB	S89R11APP1-120⊕	120VAC	260Ω	$57.65	$56.05	$54.22	$38.97

To Find Additional P&B Relays, Visit Our Website at www.Jameco.com/Prod/PBImpulse

ODC Series Input/Output Module Relay

- Switch form: SPST-NO • Resistance: 250Ω
- Isolation: 4,000Vrms, 60Hz
- Capacitance: 8pF typical (input to output)



Part No.	Product No.	Voltage	1	10	25	50
282511CB	ODC-5⊕	5VDC/3-60VDC	$9.15	$9.00	$8.85	$7.65

To Find Additional P&B Relays, Visit Our Website at www.Jameco.com/Prod/PBModules

I/O Modules



70/70M Series DC Output Modules

- Transient protection: meets the requirements of IEEE 472, "Surge Withstanding Capability Test"
- SPST, normally open • Isolation voltage: 4000V_{RMS}

Also available Dry Contact Output Modules and DC Input Modules

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Grayhill I/O Modules Offering at www.Jameco.com/Prod/GrayhillModules

W58 Series Thermal Circuit Breakers

Lower $$$

- Max. operating voltage: 50VDC; 250VAC 50/60Hz
- Interrupt capacity: 2,000A @ 50VDC; 1,000A @ 250VAC 50/60Hz
- Endurance cycling: >1,000 operations @ 200% of rating
- Dielectric strength: >1,500Vrms • Push button to reset breaker


282597CB

Part No.	Product No.	Amp	Resistance	1	25	50	100
282562CB	W58-XB1A4A-10⊕	10	0.014	$3.39	$3.19	$2.99	$2.79
282571CB	W58-XB1A4A-15⊕	15	0.010	3.39	3.19	2.99	2.79
282589CB	W58-XB1A4A-20⊕	20	0.006	3.39	3.19	2.99	2.79
282597CB	W58-XB1A4A-30⊕	30	—	3.39	3.19	2.99	2.79

To Find Additional P&B Breakers, Visit Our Website at www.Jameco.com/Prod/PBBreakers

Thermal Circuit Breakers

W23/W33 Series Toggle or Push/Pull Actuator

- 0.5 to 50 amp ratings may be used as on/off switch
- Cannot be reset against overload
- Max. operating voltage: 50VDC or 250VAC to 400Hz
- Dielectric strength: over 1500V_{RMS}


W33 Series

W28 Series Switchable or Push to Reset

- Rocker on switchable model moves to "overload" position upon trip
- Approved to many international standards (push to reset type)
- Max. operating voltage: 32VDC, 250VAC to 50/60Hz
- Dielectric strength: over 1500V_{RMS} • Fuseholder type


W28 Series

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete P&B Breaker Offering at www.Jameco.com/Prod/PBBreakers

Universal Circuit Breakers



Function identically as OEM breakers but offer the versatility of snap off terminals for greater flexibility. SAE Type II modified reset used primarily as a wiring harness protector in 12 volt DC auto- motive systems. Conforms to SAE J553C standard. For mounting in ATO style fuse blocks and panels. **Minimum order 10 pieces**

Part No.	Product No.		Amp Rating	10	25	50
638194CB	UCB15BP♠	NEW	15	$5.69	$5.39	$5.09
638207CB	UCB20BP♠		20	5.69	5.39	5.09
638215CB	UCB30BP♠		30	5.69	5.39	5.09

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

To Find Additional Littlefuse Breakers, Visit Our Website at www.Jameco.com/Prod/LittelFuse

CNS Series Multifunction Time Delay Relays

- DPDT • Rating: 10A @ 30VDC or 277VAC
- Electrical life: 100,000 operations at rated load
- Dielectric strength: 1,000Vrms, 60Hz between open contacts; 1,500Vrms, 60Hz between all other conductors

282212CB



Power requirement: 10W @ 240VAC/VDC; 5W @ 120VAC/VDC; 1W @ 25VAC/VDC

Part No.	Product No.	Voltage	Timing Functions	Pins	1	10	25	50
282212CB	CNS-35-92⊕	24-240VAC/VDC	4	8	$67.89	$62.23	$56.57	$53.34
282221CB	CNS-35-96⊕	24-240VAC/VDC	8	11	79.05	75.46	71.87	69.76

To Find Additional P&B Relays, Visit Our Website at www.Jameco.com/Prod/PBTimeDelay

CNT Series Multifunction, Digital Time Delay Relay/Counter



- Digital adjustment via thumbwheel switches
- Maximum count: 1 to 999; 10 to 9,990; 100 to 99,900
- Maximum count rate: 100 counts per second
- Rating: 10A @ 30VDC or 277VAC resistive
- Electrical life: 100,000 operations min. at rated load
- Dielectric strength: 1,000Vrms, 60Hz between open contacts; 1,500Vrms between all other contacts • 11-pin octal style plug • DPDT

Power requirement: 10W @ 240VAC/VDC; 5W @ 120VAC/VDC; 1W @ 24VAC/VDC

Part No.	Product No.	Voltage	1	10	25	50
282239CB	CNT-35-96⊕	24-240VAC/VDC	$92.25	$89.97	$87.17	$84.94

To Find Additional P&B Relays, Visit Our Website at www.Jameco.com/Prod/PBTimeDelay

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Circuit Breakers

- Amp rating: 3 to 30
- Terminal style: quick connect
- Standard rating: 3-20A @ 125/250VAC



NEW ON THE WEB

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete GC Circuit Breaker Offering at www.Jameco.com/Prod/GCBreaker

Solid State Relays

CS Series Hybrid Voltage Sensor

- Internal 2 Form C (DPDT) output relay
- Power requirement: Typically less than 3VA or 3W
- Internal relay contact rating: 10A @ 28VDC , res., or 120VAC, 80% power factor



CS Series

SSR Series Paired SCR Output & SSRT Series Snubberless Triac Output

- "Hockey Puck" • 4000V rms isolation
- Control voltage range: AC input/output: 90 - 280VAC; DC Input/AC Output: 3 - 32VDC
- LED indicator

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete P&B Solid State Relays Offering at www.Jameco.com/Prod/PBSolidState

Power PC Board Relays



T9A Series



T90 Series



T92 Series

T9A Series DC Coil

- Up to 30 Amp switching in SPST & 20 Amp in SPDT arrangements • Voltage: 5 to 110VDC
- Nominal Coil Power: 1.0W or 900mW (approx.)
- Maximum Coil Power: 2.8W

T90 Series DC Coil

- Up to 30 Amp switching in SPST & 20 Amp in SPDT arrangements • Voltage: 5 to 110VDC
- Max. Coil Power: 2.8 Watt

T92 Series DC Coil

- 30A DPST-NO and DPDT switching capabilities
- Designed to control compressor loads to 3.5 tons, 25.3 FLA, 110 LRA
- Voltage: 12-110VDC & 12 to 277VAC

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete P&B Power PC Relays Offering at www.Jameco.com/Prod/PBPowerPCB

Relay Socket with Coil Diode

VF4 Type

- 12 AWG: 2 black & 1 blue wire; 18 AWG: 1 black & 1 red wire
- Contact voltage/current: 12V/20A
- Use with P/N 148582CB, pg. 175
- Diode coil suppression • 7.5" wire



Part No.	Cross Ref. No.	1	10	50	100
170624CB	RSDO3⊕	$2.35	$2.15	$1.89	$1.55

Solid State PCB Relays



ASPF Series



CX241 Series



DPA Series



LS Series



MP Series



PF Series

ASO Series SCR or Triac Output

- 1.0-2.0 Amp • 120/240Vrms
- AC Switching • Mini-SIP • DC control

ASPF Series SCR Output

- 3.0 Amp • 240Vrms • DC control
- Integral heatsink • AC Switching • Mini-SIP

CMX Series MOSFET Output

- 3-10 Amp • 0-60, 0-100, 0-200VDC
- DC Switching • SIP mount
- DC control • Extra low on-state resistance

CX/CXE Series SCR Output

- 5 Amp • 240, 380, 480Vrms
- AC Switching • AC/DC control
- Ideal for replacing electromechanical relays

CX241 Series SCR Output

- 1.5 Amp • 12-240Vrms • DC control
- AC Switching • Low Profile SIP

D2W Series Triac Output

- AC Switching • 24-280Vrms • 2-3.5 Amp
- Built-in snubber • SIP packaged • DC control

DO/DMO Series Bi-Polar Transistor output

- FET output (DMO) • 1-3.0 Amp • 3-60VDC
- DC switching • DC control • Mini-SIP
- Low profile package

DPA Series SCR Output

- 1.0 Amp • 120/240Vrms • 16-pin DIP

LS Series SCR Output

- 8-12 Amp • 24-280Vrms • SIP
- Metal baseplate • 5 & 24VDC control
- High current surge ratings • AC Switching

MCX/MCXE Series SCR Output

- 240/380/480Vrms • 5 Amp • SIP
- AC Switching • AC/DC control • Plastic

MP Series SCR Output

- 12-280Vrms • 4.0 Amp • DC control
- AC Switching • SIP • Integral heatsink

PF Series Triac Output

- 10 Amp with convection air • AC Switching
- 25 Amp with forced air • SIP
- 240/380/480Vrms
- Integrated heatsink

SDV/SDI Series SCR Output

- 1.5 Amp • 120/240VAC
- 16-pin DIP package • Snubberless
- Current and voltage control

SPF Series SCR Output

- 10 Amp with convection air • AC Switching
- 25 Amp with forced air • AC/DC control
- 240/380/480Vrms
- Integral heatsink

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Crydom PCB Solid State Relay Offering at www.Jameco.com/Prod/CrydomSSPCBS

Power Relays

KUHP Series

- AC coils 6-277VAC 50/60 Hz., DC 6-110VDC.
- Contact arrangement up to DPDT
- Voltage: 6-110VDC & 6-277VAC
- Nominal Power: DC Coils: 1.2W, AC Coils: 2.7VA



S87R Series Industrial

- Contact forms to 2 Form C
- Nominal Power: 2.9W for single pole DC, 4.5W for double pole DC, 4.0VA for AC



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete P&B Power Relays Offering at www.Jameco.com/Prod/PBPower

G7L Series Power Relay

- Rating: 24VDC @ 79mA
- Contact rating: 20A-220VAC
- Coil resistance: 303Ω
- Contact resistance: 50mΩ max.
- 0.250" quick connect terminals
- Insulation resistance: 1,000MΩ min. (@500VDC)
- Dielectric withstanding voltage: 5,000VAC for one minute between contacts and coil, 2000VAC between contacts of same polarity • SPST-NO



NEW

Part No.	Product No.	1	10	50
454571CB	G7L-1A-TUB-CB-DC24⊕	$9.95	$8.95	$8.05

PRD Series Heavy Duty Open Relay

- SPDT • Voltage: 120VAC
- Contact rating: 25A @ 277VAC
- Current: 85mA
- Nominal power: -9.8W @ 25°C
- Resistance: 290Ω
- Expected life: 100,000 operations at rated load
- Auxiliary snap action switch rating: 5A @ 120VAC, 60Hz
- Initial breakdown voltage: 2,000Vrms min. between all elements and ground



Part No.	Product No.	1	10	25
282520CB	PRD-5AY0-120⊕	$20.85	$20.08	$19.31

To Find Additional P&B Relays, Visit Our Website at www.Jameco.com/Prod/PBOpen

Reed Relays

MSS2 Series DIP 14

- Switching voltage: 500 max.
- Switching current: 2A max.
- Contact rating: 50W



NEW ON THE WEB

HGJ2M/HGJ2MT Series

- Switching voltage: 500 max.
- Switching current: 2A max.
- Contact rating: 100W



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete SRC Reed Relay Offering at www.Jameco.com/Prod/SRCReed

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Power Modules


B-2T Series


F18 Series


M50 Series

B-2T/B-2 Series SCR/Diode Module
- 25-42.5 Amp
- For AC/DC voltage to 15kW

F18 Series SCR/Diode Module
- 25-105 Amp
- Power control building blocks

L3/L5/L6 Series SCR/Diode Module
- 15-42.5 Amp
- Low profile

M50 Series SCR/Diode Module
- 50-100 Amp
- Over 40kW output capability

M50 Diode Series Diode Module
- 60-100 Amp
- High surge curent rectifier circuits

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Power Module Offering at www.Jameco.com/Prod/CrydomPower

Auxiliary Modules


LPCV Series


PCV Series


RPC Series

CPV Series Phase Control Module
- 120 & 240VAC models
- 0-5VDC phase control

LPCV Series Linear Proportional Load Controller
- 0-5VDC, 0-10VDC, 4-20mA input control modules
- Optically isolated

PCV Series Analog Input Power Controller
- SCR output
- 15-90 Amp
- 100-240Vrms
- AC proportional output
- 2-7VDC and 2-10VDC

RPC Series Solid State Proportional Controller
- SCR output
- 15-40 Amp
- 120/240/480Vrms
- AC proportional output
- 500k or 1MΩ potentiometer control

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Auxillary Modules Offering at www.Jameco.com/Prod/CrydomAux

I/O Modules

IAC Series DC Input Modules
- Nominal input voltage: 24VDC
- Min. Input Voltage: 10 or 3.3VDC
- Typical logic supply current: 10mA DC


IAC Series

OAC Series AC Output Modules
- Nominal input voltage: 5, 15 & 24VDC
- Min. input voltage: 3.0 to 16.5VDC
- Typical input current: 10mA DC


ODC Series

ODC Series DC Output Modules
- Nominal input voltage: 5, 15 & 24VDC
- Min. Input Voltage: 2.5 to 16.5VDC
- Typical input current: 10 or 11mA DC

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See Complete Auxillary Modules Offering at www.Jameco.com/Prod/CrydomIOModules

Panel Mount Solid State Relays


1-DCL Series


53TP Series


CW24 Series


Dual Series


EZ Series


PRG Series

1-DCL Series MOSFET Output
- 7-40 Amp - 100/200/400/500VDC
- DC switching
- Optically coupled

53TP Series SCR Output
- 25-50 Amp
- 48-530Vrms
- 3 Phase
- Status indicator LED
- AC/DC control

A12/D24 Series SCR Output (Series 1)
- 10-90 Amp
- 120/240Vrms
- AC Switching
- AC/DC control

A48/D48 Series SCR Output
- 25-90 Amp
- 80-530Vrms
- AC Switching
- AC/DC control
- 800 Vpk reverse voltage capability

CMD/CMA Series SCR Output
- 25-125 Amp
- 240/480/660Vrms
- AC switching
- LED status indicator
- Finger-proof design

CS Series SCR Output
- 10-90 Amp
- 120/240Vrms
- AC Switching
- Snubberless
- DC controlled with 3.5-15VDC and 15-32VDC control options

CW24/CW48 Series SCR Output
- 10-125 Amp
- AC/DC control
- AC Switching
- LED status indicator
- Finger-proof cover
- Improved thermal ratings & lower power dissipation

D06 Series MOSFET Output
- 60-100 Amp
- 0-60VDC
- DC switching
- DC control
- Ideal for high current applications

D1D/D2D/D4D/D5D Series MOSFET Output
- 7-40 Amp
- 100/200/400/500VDC models
- DC Switching
- DC control
- Easily paralleled for high current and high voltage application

DC60 Series Bipolar Transistor Output
- 60-100 Amp
- 0-60VDC
- DC switching
- DC control
- Ideal for high current applications

DUAL Series SCR Output
- 25-40 Amp
- 120/240/480Vrms
- AC Switching
- DC controlled
- Output 1/4" Fast-on terminals

EZ Series SCR Output
- 5-18 Amps
- 240/480Vrms
- AC Switching
- Compact design
- DC/AC control with 1/4" Fast-on terminals

H12/H12WD Series SCR Output
- 25-90 Amp
- AC Switching
- DC control only

HA/HD Series SCR Output
- 12-90 Amp
- 48-530Vrms
- AC Switching
- AC/DC control
- 1200 Vpk blocking voltage capability

HA60/HD60 Series SCR Output
- 25-125 Amp
- 48-660Vrms
- AC Switching
- AC/DC control
- Snubberless
- 1200 Vpk reverse voltage capability

NTA/NTD Series Triac Output
- 10-25 Amp
- 120/240VAC
- AC switching
- AC/DC controlled

PRG Series SCR Output
- 150 Amp
- 240/480Vrms
- AC Switching
- AC/DC control
- Snubberless
- Ideal for high in-rush current applications

Series 2 Triac Output
- 8 Amp
- 120/240VAC - AC Switching
- DC control
- Snubberless
- 3/16" Fast-on terminals

Series 3 SCR Output
- 3 Amp
- 120/240Vrms
- AC Switching
- DC control
- Ideal replacement for reed & electromechanical relays

Series T Triac Output
- 10-25 Amp
- 120/240Vrms - AC Switching
- AC/DC control

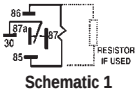
Heat Sinks also available for above relays

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See OurCrydom Panel Mount Solid State Relay Offering at www.Jameco.com/Prod/CrydomPanelSS

Potter & Brumfield Equivalent Plastic Enclosed Construction Relays

VF4 Type
- Dielectric strength: 500VDC (between contact & coil)
- Operating temperature: -35°C to +85°C
- Contact current: 40A
- Terminal type: quick connect
- Coil voltage: 12VDC except P/N 171521CB (5VDC)
- Normally open (NO), normally closed (NC)
- Dimensions: 1.1"L x 1.1"W x 1.0"H



Schematic 1



Schematic 2


171432CB (Fig. 1)


171441CB (Fig. 2)


171459CB (Fig. 3)

Part No.	Cross Ref. No.	P&B Cross Ref. No.	Fig.	Contact Form	Coil Ohms	Contact Schematic	Contact Voltage	Pins	Pricing 1	10	50	100
171459CB	LD1A-12F⊕	VF4-81F11S01	3	SPST-NO	78	2	14VDC	4	**$1.89**	**$1.75**	**$1.55**	**$1.29**
171441CB	961A-1A12D⊕	VF4-11F11	2	SPST-NO	90	2	14VDC	4	**2.35**	**2.20**	**2.14**	**2.09**
171521CB	LD5F⊕	VF4-45D11	1	SPDT	14	1	5VDC	5	**1.69**	**1.35**	**1.08**	**1.05**
148582CB	LD12F⊕	VF4-85F11	1	SPDT	78	1	12VDC	5	**2.49**	**2.25**	**1.95**	**1.75**
171432CB	961A-1C-12DM⊕	VF4-81F11	1	SPDT	90	1	12VDC	5	**2.99**	**2.69**	**2.25**	**1.65**

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

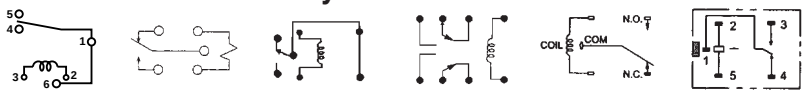
Color Code Legend: New Sale Lower$ QtySave

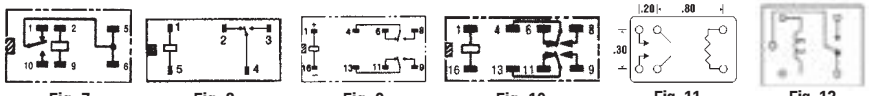
Small High-Current PC Mount Relays

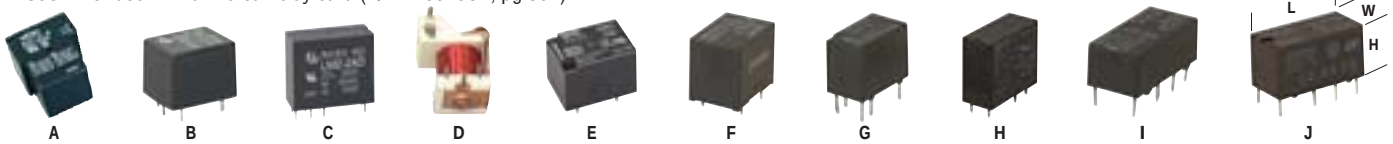
While these small, low-cost relays are designed primarily for the appliance industry and the heating, air conditioning and ventilation markets, they are also well suited for automotive load management and other applications.

- Mechanical life expectancy: 10 million operations
- Electrical life expectancy: 100,000 operations at rated loads
- Dielectric strength: 1500Vrms (between contact and coil)

104926CB: Open frame relay
129349CB: Immersion cleanable, plastic sealed case
144186CB: For use with universal relay card (P/N 128910CB, pg 301)


Fig. 1 Fig. 2 Fig. 3 Fig. 4 Fig. 5 Fig. 6


Fig. 7 Fig. 8 Fig. 9 Fig. 10 Fig. 11 Fig. 12


A B C D E F G H I J

Part No.	Cross Ref. No.	Manufacturer	Potter & Brumfield Cross Reference	Fig.	Contact Form	Coil Voltage	Coil (Ohms)	Contact Voltage	Contact Current	Pins	L x W x H (in.)	Pricing 1	10	50	100
145752CB	L90A-12W ⊕ *	Rayex	T90S1D12-12	1A	SPST	12VDC	155	240VAC	30A	5	1.2 x 1.0 x .77	$2.45	$2.10	$1.85	$1.49
134949CB	L90-5W ⊕	Rayex	T90S5D12-5	1A	SPDT	5VDC	27	240VAC/28VDC	20A	6	1.3 x 1.1 x .80	2.49	2.15	1.93	1.65
174449CB	LU-5 ⊕	Rayex	T81H5D215	3B	SPDT	5VDC	125	120VAC/24VDC	1A/2A	6	.60 x .40 x .45	1.79	1.66	1.55	1.49
187151CB	G5LE-1DC5 ⊕	Omron	—	6F	SPDT	5VDC	63	120VAC/30VDC	10A/8A	5	.90 x .65 x .75	1.49	1.30	1.15	1.09
187240CB	G5V-1-DC5 ⊕	Omron	—	7G	SPDT	5VDC	166.7	125VAC/24VDC	.5A/1A	6	.50 x .30 x .40	2.05	1.79	1.59	1.50
104926CB	733SPDT12VDC ⊕ *	Song Chuan	T90N5D12-12	1D	SPDT	12VDC	155	240VAC/28VDC	20A/10A	6	1.2 x .90 x .63	1.85	1.69	1.49	1.27
129349CB	832-IC-S ⊕	Song Chuan	T90S5D12-12	1A	SPDT	12VDC	155	277VAC/28VDC	20A/10A	6	1.2 x 1.0 x .75	2.15	1.90	1.69	1.39
186669CB	G2R-14-DC12 ⊕	Omron	—	8H	SPDT	12VDC	275	250VAC/30VDC	10A	5	1.2 x .51 x 1.0	2.99	2.85	2.69	2.67
172937CB	JS1-12V ⊕	Nais (Aromat)	T72M5D121-12	5E	SPDT	12VDC	400	125VAC/24VDC	10A/5A	5	.85 x .62 x .63	1.09	.99	.89	.75
144186CB	JZC-22F ⊕	Velleman	VR15M121C	2B	SPDT	12VDC	337	120VAC/28VDC	15A	5	.80 x .64 x .80	3.79	3.39	3.05	2.75
174431CB	LEG-12F ⊕	Rayex	T7CS5D12	2B	SPDT	12VDC	400	120VAC/24VDC	15A	5	.76 x .62 x .60	1.49	1.29	1.19	1.09
184461CB	G5V-1-DC12 ⊕	Omron	—	7G	SPDT	12VDC	960	125VAC/24VDC	.5A/1A	6	.50 x .30 x .40	2.25	1.79	1.58	1.42
187282CB	G6A-234PSTUSDC5 ⊕	Omron	—	9I	DPDT	5VDC	125	125VAC/30VDC	.3A/1A	8	.80 x .33 x .40	3.95	3.63	3.33	3.07
174377CB	LM2-12D ⊕	Rayex	RKA5DZ12	4C	DPDT	12VDC	270	250VAC/30VDC	5A	8	1.2 x .48 x 1.0	2.49	2.25	1.95	1.75
187258CB	G5V-2-DC12 ⊕	Omron	—	10J	DPDT	12VDC	288	125VAC/30VDC	.5A/2A	8	.81 x .40 x .45	2.49	2.28	2.02	1.82
200740CB	G5V-2-H1-24 ⊕	Omron	—	10J	DPDT	24VDC	2800	125VAC/24VDC	.5A/1A	8	.81 x .40 x .45	2.29	2.06	1.85	1.65
215909CB	RKA-7DZ-12 ⊕	P & B	—	11H	DPST-NO	12VDC	270	250VAC/24VDC	5A/5A	6	1.16 x .57 x 1.05	2.29	1.95	1.69	1.39
454563CB	KLTIC12DC9 ⊕	Hasco	—	12B	SPDT	9VDC	225	120VAC/28VDC	12	5	0.73 x .59 x 0.61	2.29	1.95	1.69	1.39

*Manufacturer may vary

General Purpose Relays

JAMECO ValuePro — A Jameco EXCLUSIVE

LB2 Series

- Contact rating: 240VAC/30VDC @ 12A • DPDT
- Mechanical life: 10,000,000 operations • 8-pin
- Electrical life: 100,000 operations min. at rated load



Part No.	Mfg. P/N	P & B Cross Ref.	Coil Voltage	1	10	50	100
172718CB	LB2-12DS ⊕	K10-11D15-12	12VDC	$4.99	$4.49	$3.99	$3.59
175564CB	LB2-24DS ⊕	K10-11D15-24	24VDC	5.99	5.49	4.93	4.49
175572CB	LB2-110AS ⊕	K10-11A15-120	110VAC	6.25	5.49	4.99	4.39

LB4H Series

- Insulation resistance: 1,500MΩ @ 500VDC
- Mechanical life: 10,000,000 operations • 4PDT
- Contact rating: 240VAC/30VDC @ 5A • 14-pin
- Electrical life: 100,000 operations min. at rated load



Part No.	Mfg. P/N	P & B Cross Ref.	Coil Voltage	1	10	25	50
291506CB	LB4H-12DS ⊕	KHAU-17D12-12	12VDC	$4.45	$4.33	$4.20	$4.03
175601CB	LB4H-24DS ⊕	KHAU-17D12-24	24VDC	5.09	4.93	4.77	4.36
175610CB	LB4H-110AS ⊕	KHAU-17A12-120	110VAC	4.69	4.58	4.47	4.24

Relay Socket

175530CB 175556CB



- DIN rail snap socket for LB2 & LB4H relays

Part No.	Mfg. P/N	P & B Cross Ref.	Pins	1	10	50
175530CB	PTF-08A-A ⊕	27E895	8	$5.95	$5.39	$4.85
175556CB	PYF-14A-A ⊕	27E894	14	3.95	3.49	2.95

KHAU Type Relay



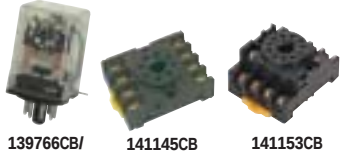
- Insulation resistance: 1,500MΩ @ 500VDC • 4PDT • 14-pin
- Life: (mechanical) 10,000,000 operations; (electrical) 100,000 operations min. at rated load • Contact rating: 220VAC/24VDC @ 5A

Part No.	Cross Ref. No.	P & B Cross Ref.	Coil Voltage	1	10	25	50
183011CB	GM4PDT12DF ⊕	KHAU-17D12-12	12VDC	$7.59	$6.99	$6.64	$5.51

Beta Electric General Purpose Relays

Pin Type Terminals

- DPDT • 8-pin octal style plug
- Contact rating: 120/240VAC, 28VDC @ 10A
- Ambient operating temp.: -10°C to +50°C
- Size: 1.4"L x 1.4"W x 2.7"H


139766CB/139740CB 141145CB 141153CB

BTA1 Series Relays

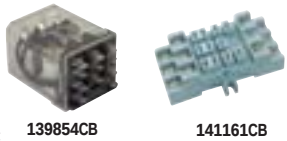
Part No.	Product No.	NTE Cross Ref.	Coil Voltage	1	10	50
139766CB	BTA1-2C-12VDC ⊕	R02-11D10-12	12VDC	$9.49	$8.55	$7.69
139740CB	BTA1-2C-120VAC ⊕	R02-11A10-120	120VAC	9.95	8.79	7.99

BTA1 Series Sockets (250 VAC, 20 Amps)

Part No.	Product No.	Pins	Dimensions	1	10	50
141145CB	PF-083A ⊕	8	2.0"L x 1.6"W x 0.8"H	$3.99	$3.65	$2.99
141153CB	PF-113A ⊕	11	2.0"L x 1.7"W x 1.2"H	5.19	4.67	4.11

BTA2 Series Quick Connect Blade Terminal

Flat terminals (0.187" x 0.020") for standard plug-in mounting; also accepts quick-connect receptacles or direct soldering.


139854CB 141161CB

- Contact rating: 120VAC/28VDC @ 13A; 240VAC @ 10A
- Ambient temperature operating: -30°C to +50°C
- Size: 1.5"L x 1.4"W x 2.2"H • 3PDT • 11-pin

Part No.	Product No.	NTE Cross Ref.	Coil Voltage	1	10	50
139854CB	BTA2-3C-24VDC ⊕	R10-14D10-24	24VDC	$8.69	$8.63	$8.39

BTA2 Series Socket

SALE

Part No.	Voltage	Current	Pins	Dimensions	1	10	50
141161CB	250VAC ⊕	20 amps	11	3.0"L x 1.4"W x 1.0"H	$3.15	$2.84	$2.58

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

DC/AC and DC/DC Solid State Relays

- Screw terminal with hardware
- Photo isolation
- Metal mounting base
- Manufacturer may vary
- Zero crossing


176698CB (Fig. 1)


153058CB (Fig. 2)


192815CB (Fig. 3)


162341CB (Fig. 4)


176735CB (Fig. 5)



187004CB (Fig. 6)


164996CB (Fig. 7)


127790CB (Fig. 8)

Part No.	Product No.	Mfr.	Control Voltage	Type	Contact Style	Contact Voltage	Contact Current	Pins	Fig.	Terminal Type	Agency Approval	Size L" x W" x H"	Pricing 1	10	50	100
Solid State Relays DC/AC Type																
153058CB	KSD203AC2 ⊕	COSMO	4-32VDC	DC/AC	SPST	240VAC	3A	4	2	Solder Lead	—	1.4 x 0.3 x 0.9	$9.95	$8.95	$7.95	$7.25
162341CB	ESR51024-010 ⊕	Excel	3-32VDC	DC/AC	SPST	240VAC	10A	4	4	Screw Terminal	UL	1.7 x 1.1 x 2.3	15.95	14.39	12.95	11.65
162368CB	ESR51024-025 ⊕	Excel	3-32VDC	DC/AC	SPST	240VAC	25A	4	4	Screw Terminal	UL	1.7 x 1.1 x 2.3	21.95	19.79	17.79	16.05
162405CB	ESR51024-040 ⊕	Excel	3-32VDC	DC/AC	SPST	240VAC	40A	4	4	Screw Terminal	UL	1.7 x 1.1 x 2.3	22.99	20.69	18.69	16.79
105081CB	615-8500 ♣ ⊕	Teledyne	5-10VDC	DC/AC	SPST	250VAC	10A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	15.99	14.39	12.99	11.69
192815CB	KSD240AC8 ⊕	COSMO	4-32VDC	DC/AC	SPST	250VDC	40A	4	3	Screw Terminal	—	1.8 x 0.6 x 2.3	17.15	15.58	14.17	13.75
175214CB	KB20C02A ⊕	Kyoto	3-32VDC	DC/AC	SPST	280VAC	2A	4	1	Solder Lead	—	1.4 x 0.3 x 1.5	5.95	5.69	5.32	5.05
127790CB	D2W202F ⊕	Crydom	3-32VDC	DC/AC	SPST	280VAC	2A	4	8	Solder Lead	UL/CSA	1.7 x 0.4 x 1.3	7.19	6.75	6.73	6.71
176698CB	KB20C06A ⊕	Kyoto	3-32VDC	DC/AC	SPST	280VAC	6A	4	1	Solder Lead	—	1.4 x 0.3 x 0.9	9.99	8.99	7.99	7.19
176719CB	KD20C40AX ⊕	Kyoto	3-32VDC	DC/AC	SPST	280VAC	40A	4	5	Screw Terminal	—	1.7 x 0.9 x 2.3	19.99	17.99	16.19	14.59
176735CB	KD20C75AX ⊕	Kyoto	3-32VDC	DC/AC	SPST	280VAC	75A	4	5	Screw Terminal	—	1.7 x 0.9 x 2.3	39.95	35.99	32.39	29.15
204441CB	TD2420Q ⊕	Crydom	4-15VDC	DC/AC	4PST	280VAC	20A	13	–	Solder Lead	UL/CSA	2.3 x 1.8 x 0.9	56.95	51.25	43.59	32.69
186992CB	G3NA-210B-DC5-24 ⊕	Omron	5-24VDC	DC/AC	SPST	240VAC	10A	4	6	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	14.29	13.55	12.89	12.25
187004CB	G3NA-220B-DC5-24 ⊕	Omron	5-24VDC	DC/AC	SPST	240VAC	20A	4	6	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	19.95	17.95	15.95	13.95
164988CB	S101S02 ⊕	Sharp	1.2VDC@20mA	DC/AC	SPST	125VAC	1.5A	4	7	Solder Lead	UL/CSA	0.9 x .16 x .63	3.95	3.49	2.95	2.25
164996CB	S202TA1 ⊕	Sharp	1.2VDC@20mA	DC/AC	SPST	200VAC	2.0A	4	7	Solder Lead	UL/CSA	0.9 x .16 x .63	4.95	4.49	4.05	3.65
Solid State Relay DC/DC Type																
172591CB	KF0602D ⊕	Kyoto	3-32VDC	DC/DC	SPST	60VDC	2A	4	1	Solder Lead	—	1.4 x 0.3 x 0.9	$9.95	$8.95	$7.95	$6.95
175222CB	KF0604D ⊕	Kyoto	3-32VDC	DC/DC	SPST	60VDC	4A	4	1	Solder Lead	—	1.5 x 0.3 x 0.9	11.95	11.25	10.25	9.22
176647CB	KG1005D ⊕	Kyoto	3-32VDC	DC/DC	SPST	120VDC	5A	4	5	Screw Terminal	—	2.3 x 1.7 x 0.9	26.99	24.29	21.79	19.59
176655CB	KG1010D ⊕	Kyoto	3-32VDC	DC/DC	SPST	120VDC	10A	4	5	Screw Terminal	—	2.3 x 1.7 x 0.9	29.99	26.99	24.29	21.89

♣ Pull = Extra Savings

DIP Relays

• Logic control levels • Long life with reliable operation • Moisture resistant • Compatible with IC sockets • Compact design/construction • Excellent for PCB applications

CLARE FUJITSU Aromat


106462CB


99901CB

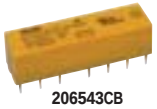

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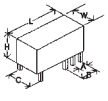
Fig. 1 

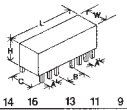
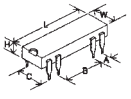
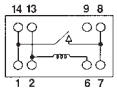
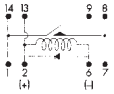
Fig. 2 

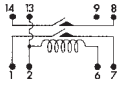
Fig. 3 



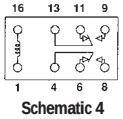
Schematic 1



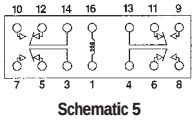
Schematic 2



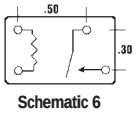
Schematic 3



Schematic 4



Schematic 5



Schematic 6

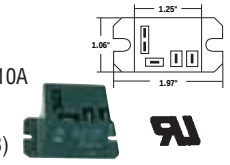
Part No.	Product No.	Manufacturer	Contact Schem.	Contact Form	Coil Voltage	Coil Ohms	Contact Voltage	Contact Current	Pins	Jameco Socket	Fig.	Size L x W x H (in.)	Leads A x B x C (in.)	Pricing 1	10	50	100
106462CB	201A05 ⊕	Excel Cell Elect.	1	SPST-NO	5VDC	500	100VDC	0.5A	8	37161	3	.78 x .25 x .20	.10 x .40 x .30	$2.15	$1.81	$1.52	$1.25
138430CB	2D1A05 ⊕	Excel Cell Elect.	2	SPST-NO	5VDC	500	100VDC	0.5A	8	37161	3	.77 x .30 x .22	.10 x .40 x .30	2.29	1.95	1.65	1.34
215896CB	OJE-SS-109LMF ⊕	OEG	6	SBT-NO	9VDC	400	250VAC/30VDC	3A/3A	4	—	1	.71 x .39 x .57	.50 x .60 x .30	2.29	1.95	1.69	1.39
106472CB	201A12 ♻	Excel Cell Elect.	1	SPST-NO	12VDC	1000	100VDC	0.5A	8	37161	3	.78 x .25 x .20	.10 x .40 x .30	2.29	1.95	1.65	1.39
138448CB	2D1A1200 ⊕	Excel Cell Elect.	2	SPST-NO	12VDC	1000	100VDC	0.5A	8	37161	3	.77 x .30 x .22	.10 x .40 x .30	2.25	1.95	1.75	1.49
138456CB	202A05 ⊕	Excel Cell Elect.	3	DPST-NO	5VDC	140	100VDC	0.5A	8	37161	3	.77 x .30 x .28	.10 x .40 x .30	3.49	3.15	2.69	2.19
139977CB	RSB5S ⊕	Shin Mei	4	DPDT	5VDC	125	120VAC/30VDC	1A/2A	8	37372	1	.79 x .39 x .37	.20 x .40 x .30	2.49	2.25	1.95	1.75
99338CB	LM12C00 ⊕	Clare	4	DPDT	6VDC	71	125VAC/100VDC	2A	8	37372	1	.79 x .40 x .43	.20 x .40 x .30	2.49	2.25	2.03	1.69
99311CB	DS2Y-S-DC12V* ⊕	Aromat (NAIS)	4	DPDT	12VDC	720	110VAC/30VDC	.3A/1A	8	37372	1	.79 x .40 x .43	.20 x .40 x .30	2.49	2.31	2.05	1.75
99901CB	LX200D00 ⊕	Clare	4	DPDT	12VDC	720	125VAC/100VDC	2A	8	37372	1	.79 x .40 x .30	.20 x .40 x .30	6.95	6.25	5.63	4.49
99320CB	LM12E00* ⊕	NEC	4	DPDT	24VDC	1110	125VAC/100VDC	2A	8	37372	1	.79 x .40 x .43	.20 x .40 x .30	2.95	2.69	2.39	2.15
136549CB	DS4E-M-DC5V* ⊕	Aromat	5	4PDT	5VDC	62.5	125VAC/30VDC	.6A/2A	14	112299	2	1.40 x .40 x .36	.20 x .30 x .30	5.49	4.95	4.45	4.05
176313CB	DS4E-M-DC12V ⊕	Aromat	5	4PDT	12VDC	360	125VAC/30VDC	.6A/2A	14	112299	2	1.40 x .40 x .36	.20 x .30 x .30	6.95	6.29	5.29	4.39
206543CB	DS4E-S-DC5V-1C-N137	Aromat	5	4PDT	5VDC	125	250VAC/220VDC	2A	14	112299	2	1.40 x .40 x .42	.20 x .30 x .30	3.79	3.45	3.15	2.85

*Manufacturer may vary

T9A Series Relay

Low Cost PC Board or Panel Mount Only

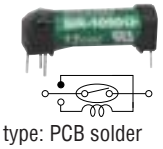
- Contact form: SPDT
- Contact current: 20A/10A
- Coil voltage: 12VDC
- 5-pin
- Contact volt.: 240VAC/28VDC
- Coil: 155Ω
- Terminal type: 0.1" disconnect (2); 0.25" disconnect (3)



Part No.	Cross Ref. No.	P & B Cross Ref.	Dimensions (LxWxH)	1	10	50	100
137357CB	953-IC-12DM ⊕	T9AS5D52-12	2.0" x 1.6" x 1.8" ..	$2.55	$2.45	$2.19	$1.75

SALE Reed Type Relay

- Manufacturer: Bestar
- Contact form: SPST-NO
- Coil voltage: 12VDC
- Coil: 1050Ω
- Contact voltage: 120VAC/60VDC
- Contact current: 0.1A
- Dielectric strength: 1500VDC (between contact and coil)
- 4-pin
- Operating temperature: -30°C to +60°C
- Terminal type: PCB solder



Part No.	Cross Ref. No.	Dimensions	1	10	50	100
111448CB	RC108T	1.0"L x .37"W x .38"H	$.98	$.89	$.81	$.74

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

1.2" (30mm) PCB Mountable Speaker



- Round frame design
- Mylar diaphragm
- Output SPL: 82 dB
- Nominal input: 0.15W; max. input: 0.2W
- Ideal for PC board mounting
- Impedance: 8Ω
- Frequency range: 700 – 5000Hz
- Pin spacing: 15mm

Part No.	Cross Ref. No.	Description	Dimensions	1	10	100
135722CB	PCM415 ⊕	Solder leads	1.2"Dia. x 0.5"D	$2.15	$1.79	$1.59

Speaker Terminals



Make a solid connection with these push-release speaker terminals. Color-coded red / black connections for positive & negative side of speakers, screwmount plates for easy installation.

- Requires 1.92" round cut-out for recessed mounting

Part No.	Description	Size	Price
318641CB	Round speaker terminals ⊕	2.95" diameter	$.43

Round Ferrite Speakers

- **320135CB**: with 2" lead wires • Pre-tinned speaker lugs • Large magnet • Anodized metal surfaces
- Braided copper voice coil leads • Paper diaphragm

Quantity SAVE

For speaker wire, see page 101

Part No.	Mfg. P/N	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
320362CB	TRF-050F ⊕	2.0 x 0.7	0.25	0.5	8	86	320 – 4000	1.3 x 0.4	$1.95	$1.51	$1.33
135589CB	FE200 ⊕	2.0 x 0.7	0.2	0.4	8	83	420 – 5000	1.3 x 0.4	1.59	1.33	1.09
320135CB	C35128A ⊕	2.0 x 0.7	0.2	0.4	8	—	—	1.3 x 0.4	1.59	1.35	1.01
308267CB	GA0501M ⊕	2.0 x 0.8	0.25	0.5	8	85	500 – 7800	0.9 x 0.4	1.99	1.79	1.65
10840CB	FE201	2.2 x 0.7	0.2	0.4	8	88	400 – 4500	1.3 x 0.4	1.59	1.43	1.07
320354CB	TR-066F ⊕	2.6 x 0.9	0.25	0.5	8	85	440 – 3500	1.3 x 0.4	1.45	1.24	1.14



135589CB Side



135589CB Back

Square Ferrite Speakers

- Pre-tinned speaker lugs • Large magnet • Anodized metal surfaces • Braided copper voice coil leads • Paper diaphragm

Part No.	Mfg. P/N	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
135693CB	FEB200 ⊕	2.0 x 0.7	0.2	0.3	8	82	500 – 6000	1.3 x 0.5	$1.59	$1.45	$1.29
249463CB	66SF25 ⊕	2.6 x 0.8	—	0.5	25	10	320 – 4000	1.3 x 0.5	2.49	2.09	1.59
31958CB	FEB216 ⊕	2.6 x 0.8	0.2	0.4	16	85	330 – 8000	1.3 x 0.5	2.25	1.99	1.79
99995CB	FEB204 ⊕	2.6 x 0.9	3.0	4.0	4	95	300 – 14000	1.8 x 0.5	2.49	2.25	1.99



99995CB Side



99995CB Back

Flat Element, Square Piezoelectric Speakers

- Excellent for alarms or other voice uses • Stainless steel diaphragm

Part No.	Mfg. P/N	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Element Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
34024CB	AZ30S ⊕	1.2 x 0.2	0.4	0.8	8	70	1300 – 8000	1.2 x 0.1	$1.69	$1.52	$1.35
76030CB	AZ40S ⊕	1.6 x 0.2	0.4	0.8	8	70	600 – 6000	1.6 x 0.1	1.95	1.75	1.49



34024CB Side



34024CB Back

Alnico Speakers

- For computer case use • Pre-tinned solder lugs
- Paper diaphragm • Large magnet
- Wide frequency response • Impedance: 8Ω

Part No.	Mfg. P/N	Fig.	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
88410CB	A0200 ⊕	1	2.0 x 0.8	0.2	0.4	87	430 – 4500	0.5 x 0.4	$1.49	$1.29	$1.19
135765CB	RA2425 ⊕	1	2.2 x 0.8	0.25	0.5	87	400 – 4000	0.5 x 0.4	1.89	1.69	1.52
111587CB	B0102 ⊕	2	1.7 x 0.6	0.1	0.3	83	500 – 5500	0.5 x 0.4	2.09	1.69	1.39
135811CB	A1527C02 ⊕	3	1.6 x 2.8 x 1.2	2.0	5.0	82	450 – 20000	0.5 x 0.5	2.95	2.49	2.25

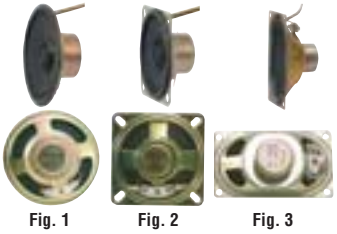


Fig. 1 Fig. 2 Fig. 3

Micro Speakers

Quantity SAVE

Part No.	Mfg. P/N	Fig.	Dimensions (Dia." x D")	Input Nom (W)	Input Max (W)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia." x H")	Pricing 1	Pricing 10	Pricing 100
355514CB	GC0201M ⊕	1	1.70 x 0.38	0.1	0.2	78	500 – 20000	0.26 x 0.06	$1.39	$1.22	$1.18
307871CB	GC0401M ⊕	1	1.57 x 0.67	0.2	0.3	80	600 – 8000	0.71 x 0.43	2.89	2.46	1.84
355522CB	GF0271M ⊕	1	1.06 x 0.30	0.1	0.2	82	500 – 20000	0.49 x 0.15	2.29	2.04	1.86
307854CB	GC0251KP* ⊕	2	1.0L x 0.55W	1.0	1.5	80	750 – 3500	0.43 x 0.08	1.85	1.57	1.18

* Rectangular micro speaker



Fig. 1 Fig. 2

Omni-directional Electret Condenser Microphone Cartridges

Applications:

- Tape recorders, intercoms, hearing aids, telephone and answering devices, sonic controlled toys and sensors
- Modems for computers • Used for recording, testing, and monitoring



160979CB



136573CB & 320178CB



320004CB



196488CB



140986CB

Part No.	Type	Sensitivity	Impedance	Frequency (Hz)	Max. Op. Volt. (VDC)	Stand Op. Volt. (VDC)	Current (Max.)	Sensitivity Reduction	S/N Ratio	Terminals	Size (H x Dia.)	Pricing 1	Pricing 10	Pricing 100	Pricing 1000
160979CB	WM-64PKT ⊕	-44 ±3dB	>2.2kΩ	20-16,000	10V	2.0V	0.5mA	-3dB @ 1.5V	>58dB	PC pin leads	.10" x .24"	$.72	$.65	$.52	$.35
136573CB	WM-60PC ⊕	-54 ±2dB	>2.2kΩ	20-12,000	12V	4.5V	0.5mA	-3dB @ 3V	>40dB	PC pin leads	.30" x .38"	.53	.48	.43	.39
320004CB	YILI ⊕	-38 ±3dB	>2.2kΩ	20-16,000	10V	4.5V	0.8mA	-3dB @ 3V	>40dB	Lead wires	.23" x .38"	.69	.62	.32	.24
320178CB	EM-99 ⊕	-64 ±2dB	>2.2kΩ	20-12,000	12V	4.5V	0.5mA	-3dB @ 3V	>40dB	PC pin leads	.27" x .39"	1.49	1.25	.99	.81
196488CB	JL-061C ⊕	-58 ±3dB	2kΩ	20-20,000	10V	2.0V	0.04mA	-3dB @ 1.5V	>55dB	Solder pad	.10" x .24"	1.29	.99	.89	.79
140986CB	CRM919 ⊕	-64 ±3dB	1kΩ ±30%	20-10,000	12V	3.0V	0.8mA	-3dB @ 3V	>40dB	Lead wires	.90" x .39"	1.49	1.14	1.05	.89

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

JAMECO ValuePro

Sonic Transducers and Buzzers

A Jameco EXCLUSIVE

Magnetic Transducers

Part No.	Cross Ref. No.	Fig.	Operating Volt. (Vp-p/mA)	Volt. Range (Vp-p)	Freq. (Hz)	Sound (dB)	Dimensions	Pricing 1	10	100	1000
207917CB	DB105GFPN ⊕	1	1.5/30*	1 – 2	2048	75	.22"H x .47"Dia.	$1.49	$1.34	$1.14	$.85
138721CB	DB111A-PN ⊕	2	1.5/10*	1 – 2	2048	80	.32"H x .46"Dia.	1.49	1.34	1.14	.85
335636CB	PB-12N23P-05 ⊕	3	5/50*	4.5 – 5.5	2300	85	10mm H x 12mm Dia	2.75	2.65	2.53	2.33
335644CB	PB-12N23P-12 ⊕	3	12/50*	9 - 15	2300	85	10mm H x 12mm Dia	2.69	2.59	2.50	2.18
138739CB	DBX05-PN ⊕	2	5/40*	3 – 8	2400	85	.35"H x .46"Dia.	1.49	1.35	1.19	.99
106500CB	SBT-1205 ⊕	2	5/40*	3 – 8	2400	85	.40"H x .48"Dia.	1.49	1.35	1.25	1.09
207950CB	UDX05CPN ⊕	3	5/100*	4 – 8	3100	85	.22"H x .35"Dia.	1.35	.99	.92	.83

*Applied voltage: 1/2 duty, square wave


Fig. 1


Fig. 2


Fig. 3

Magnetic Buzzers

207984CB	TDB01 ⊕	4	1.5/30	1.25 – 2	2300	75	.47"H x .38"Dia.	$2.49	$2.29	$1.99	$1.79
76064CB	TDB05-PN ⊕	4	5/30	4 – 7	2300	85	.35"H x .46"Dia.	2.99	2.79	2.69	2.59
207976CB	TDB12 ⊕	4	12/30	8 – 15	2300	85	.47"H x .38"Dia.	2.49	2.39	2.29	2.19


Fig. 4


Fig. 5


Fig. 6

Piezo Buzzers

336276CB	PT-1250W ⊕	6	3/1.5	2 – 5	1250	85	13mm H x 30mm Dia.	$1.55	$1.49	$1.37	$1.24
337210CB	SC628D ⊕	7	6–28/5–18	6 – 28	1900	75	1.28"H x 1.69"Dia.	10.45	9.72	9.09	8.54
336305CB	PT-2020P ⊕	8	5/1.5	5 – 30	2000	80	22mm W x 7.2mm D x 26.6mm H	1.29	1.25	1.19	1.07
336022CB	PK-27N26W ⊕	5	12/15	3 – 28	2500	90	10mm H x 30mm Dia.	3.49	3.39	3.24	2.99
335505CB	MAS800 ⊕	10	12/50	9 – 12	2800	103	15.2mm H x 26mm Dia.	4.95	4.62	4.19	3.84
335530CB	MAS806 ⊕	10	12/50	5 – 14	2800	103	15.2mm H x 26mm Dia.	5.85	5.55	5.44	5.05
336663CB	SC105 ⊕	7	1–5/3–16	1 – 5	2900	75	1.28"H x 1.69"Dia	10.95	10.04	9.01	8.57
337535CB	SNP428 ⊕	11	4–28/3–16	4 – 28	2900	76	.85"H x 1.64"Dia	9.35	8.63	8.00	7.48
336639CB	SBM616PU ⊕	12	6–16/3–12	6 – 16	2900	78	.62"H x 1.69"Dia	14.99	14.39	13.69	12.83
123537CB	11D3240 ⊕	13*	24/20	4 – 28	2900	80	1.4"H x 1.7"Dia.	4.19	3.79	3.65	3.49
337383CB	SC628P ⊕	7	6–28/4–16	6 – 28	2900	80	1.84"H x 1.69"Dia	15.69	14.31	13.17	12.23
337359CB	SC628N ⊕	7	6–28/4–16	6 – 28	2900	90	1.28"H x 1.69"Dia	11.99	10.99	9.86	9.39
32601CB	11S3240 ⊕	13	24/15	1 – 28	2900	95	1.4"H x 1.7"Dia	4.95	4.45	4.29	4.09
336989CB	SC616N ⊕	7C	6–16/6–22	6 – 16	2900	95	1.28"H x 1.69"Dia	11.69	10.66	9.81	9.10
336997CB	SC616NJ ⊕	7S	6–16/6–22	6 – 16	2900	95	1.28"H x 1.69"Dia	17.69	16.21	14.56	13.85
335556CB	MSR320 ⊕	9	3–20/3–16	3 – 20	3400	80	.39"H x .91"Dia	2.55	2.38	2.16	1.98
76021CB	7S3240-LA ⊕	14	24/20	1.5 – 28	3200	95	1.0"H x 1.1"Dia	4.99	4.69	4.49	4.29
335695CB	PF-20A35EW ⊕	14F	12/10	3 – 28	3500	95	25mm H x 28mm Dia	5.09	4.89	4.77	4.59
207992CB	SL15R3120LA ⊕	15	12/250	6 – 16	3500	105	2.3"L x 1.8"W x 1.6"H	6.95	6.29	5.99	5.75
336313CB	PT-2038FW ⊕	5	12/8	3 – 28	3800	85	4.5mm H x 24mm Dia.	1.15	1.09	1.05	.95
335927CB	PK-20A38P ⊕	3	12/15	3 – 24	3800	95	18mm H x 23mm Dia.	3.55	3.39	3.26	2.99
335564CB	MSR516N ⊕	3	5–16/3–14	5 – 16	3850	86	.39"H x .91"Dia.	3.99	3.79	3.43	3.15
138712CB	32S4120-PN ⊕	4	12/7	3 – 16	4000	80	.30"H x .54"Dia.	2.49	2.25	2.09	1.56
196357CB	AL-175 ⊕	4	12/5.8	3 – 16	4000	86	.30"H x .54"Dia.	2.99	2.69	2.42	2.14
335855CB	PK-12N40P ⊕	3	12/10	3 – 15	4100	83	8mm H x 14mm Dia.	3.29	3.07	3.05	2.69
Other Manufacturers — Great Deals											
454521CB	MSR3205 ⊕	9	20/16	3 – 20	3400	80	39"H x 91"Dia.	$6.99	$2.14	$1.94	$1.78


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig. 12


Fig. 13


Fig. 14


Fig. 15

* Dual tone C = Continuous tone S = Slow pulse F = Fast pulse

Mechanical/Electromechanical Buzzers

24871CB	63S109LA ⊕	16	9/30	6 – 12	400	75	1.3"L x 0.7"W x 0.6"H	$2.49	$2.19	$1.99	$1.79
140695CB	63S1120-LA ⊕	16	12/25	9 – 15	400	75	1.3"L x 0.7"W x 0.6"H	1.99	1.79	1.69	1.59
105822CB	CLB27 ⊕	17	9/220	—	500	80	1.3"H x 2.0"Dia	1.39	1.29	1.25	1.19


Fig. 16


Fig. 17


Fig. 18

Piezo Sirens

336188CB	PS-520 ⊕	15	12/200	5 – 15	3000	105	40mm W x 57.5mm D x 44.5mm H	$8.99	$8.75	$8.05	$7.34
207888CB	18R3120 ⊕	18	12/120	9 – 15	1500-3100	105	3.4"L x 2.2"W x 1.3"H	5.99	5.79	5.49	5.29
336225CB	PS-562 ⊕	19	12/40	5 – 15	2500/3500	100	16mm H x 42mm Dia	5.05	4.92	4.53	4.13

Surface Mount Electromechanical Buzzers

335388CB	AST500 ⊕	21	1.5/50	1.2 – 3	2400	85	12.8mm Sq. x 10mm H	$2.95	$2.85	$2.72	$2.48
335417CB	AST605 ⊕	21	5/40	4 – 8	2400	87	12.6mm Sq. x 7mm H	2.29	2.28	2.27	2.16
335345CB	ASI301 ⊕	21	5/30	4 – 7	2400	90	12.6mm Sq. x 10mm H	2.99	2.78	2.59	2.24
335353CB	ASI401 ⊕	21	12/30	8 – 15	2400	90	12.6mm Sq. x 10mm H	1.79	1.75	1.63	1.49


Fig. 19


Fig. 20


Fig. 21

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Color Code Legend: New Sale Lower$ QtySave

Audio Accessories





Volume Controls
- 10W or 50W
- Monaural volume level controls for stereo
- Impedance matching

Transformers with Multiple Taps
- 25V & 70V • 5W & 10W
- Color coded leads

Stereo Selector Switch
- Select from 3 sources for 1 input

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24VDC Liquid Level Sensors

Combine the control box and sensor to activate a water valve. When sensor is triggered by a tank in either full or empty condition, it will trigger an output status change.

176250CB (Empty)
- Diameter: 1.0"
- Overall Length: 3.9"
- Travel Distance: 2.0"

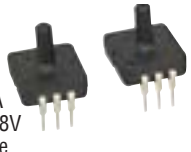

176250CB

176268CB (Full)
- Diameter: 1.1"
- Overall Length: 2.6"
- Travel Distance: .72"


176268CB

Part No.	Description	1	10	25
176250CB	Sensor empty type ⊕	$7.39	$6.70	$6.09
176268CB	Sensor full type ⊕	6.79	6.17	5.61

Fujikura -1.1 to 2.5 PSI Pressure Sensor



- Measurable pressure range: -1.1 to 2.5 PSI
- Maximum load pressure: twice rated pressure
- Operating voltage: 5V @ <10mA
- Maximum excitation voltage: 8V
- Pressure type: gauge pressure
- Volt-level output
- Pressure media: non-corrosive gas
- On-chip amplification and temp. compensations
- Pre-calibration of offset voltage and span
- 1/8" diameter tubing is applicable
- Size: .55"L x .47"W x .20"H

Part No.	Product No.	1	10	100
196103CB	XFPN-025-KPGRNW1 ⊕	$24.95	$21.25	$15.95

0 to 1.45 PSI Pressure Sensor



- Typical full scale span @ 35mV: 0-10kPa (0-1.45 PSI)
- Maximum pressure (P_{MAX}): 75kPa (10.875 PSI)
- Operating volt. (typical): 3VDC @ 6mA
- Applications: air movement control, level indicators, leak detection, robotics and industrial controls • 1/8" diameter tubing applicable
- Size: 0.7"Dia. x 0.78"Thick (with nozzle)

Part No.	Product No.	1	10	100
218827CB	MPX10GS ⊕	$8.99	$7.99	$7.19

Inductive Proximity Switch Sensors

Cylindrical and Square Styles

- Operating voltage range: 10-30VDC
- Nominal operating voltage: 12VDC
- Normally open output • Switching frequency: 1.5kHz
- Current consumption: 10mA max. • 6' long cable
- Sensing target: inductive type – magnetic metal
- Sensing distance: ±10% (tin) • Fast response
- Short circuit protected • LED status indicator
- Pre-tinned pigtail

155547CB (17mm)

167020CB (12mm)

248858CB (12mm)

155571CB (18mm)


Part No.	Product No.	Output Circuit	Effec. Dist. (Iron)	Standard Target (Iron) (mm)	Size (L" x Dia.")	Mounting Hole (in.)	Pricing 1	10	25
155547CB	S18-05N-1 ⊕	NPN	0-4.0mm	18 x 18 x 1	1.4"Lx1.4"Wx0.7"H	0.112	$9.95	$8.95	$7.95
167020CB	TS12-02N-1 ⊕	NPN	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	20.65	18.61	16.75
248858CB	TS12-02P-1 ⊕	PNP	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	19.99	17.99	15.99
155571CB	TS18-05N-1 ⊕	NPN	0-4.0mm	18 x 18 x 1	1.6" x 0.70"	0.70	24.95	22.46	20.21
421147CB	CS12-02N-1 ⊕	NPN	0-1.6mm	12 x 12 x 1	2.2" x 0.83"	0.67	44.29	37.82	34.04
421155CB	CS12-05N-1 ⊕	NPN	0-0.4mm	12 x 12 x 1	2.4" x 0.88"	0.67	53.29	45.52	40.97
421163CB	CS18-05N-1 ⊕	NPN	0-0.4mm	18 x 18 x 1	2.1" x 1.10"	0.95	47.05	40.18	36.18
421171CB	CS18-08N-1 ⊕	NPN	0-6.4mm	18 x 18 x 1	2.4" x 1.10"	0.95	54.49	48.16	43.34
421180CB	CS30-10N-1 ⊕	NPN	0-12mm	30 x 30 x 1	2.3" x 1.40"	1.40	46.49	39.71	35.72
421198CB	CS30-15N-1 ⊕	—	0-12mm	30 x 30 x 1	2.7" x 1.40"	1.40	54.95	46.93	42.24
421201CB	TS12-05N-1 ⊕	NPN	0-4.0mm	12 x 12 x 1	2.5" x 0.80"	0.66	39.19	33.45	30.10
421219CB	TS18-08N-1 ⊕	NPN	0-6.4mm	18 x 18 x 1	2.4" x 1.10"	0.94	40.09	34.23	30.81
421227CB	TS30-10N-1 ⊕	NPN	0-8.0mm	30 x 30 x 1	2.4" x 1.40"	1.40	40.39	34.50	31.05
421235CB	TS30-15N-1 ⊕	NPN	0-12mm	30 x 30 x 1	2.7" x 1.40"	1.40	62.39	53.30	47.97
421243CB	S17-05N-1 ⊕	NPN	0-4.0mm	17 x 17 x 1	1.1" x 0.66"	0.98	16.65	14.04	13.34
421251CB	S25-07N-1 ⊕	NPN	0-5.6mm	25 x 25 x 1	1.4" x 1.50"	0.98	24.75	21.12	19.01
	Photo Electric Sensors								
421260CB	WE-T3AD ⊕ *	NPN	0-5.0m	≥8mm Dia.	2.6" x 0.708"	.710	$86.05	$73.48	$67.13
421278CB	WE-M3D ⊕ *	NPN	0-2.0m	>10-40mm Dia.	2.6" x 0.708"	.710	50.95	43.48	39.13
421286CB	WE-R3AL ⊕ †	NPN	0-200mm	—	2.6" x 0.708"	.710	49.19	42.00	37.80
421294CB	WE-R3BL ⊕ †	NPN	0-80mm	15-44mm	2.6" x 0.708"	.710	49.19	42.00	37.80
421307CB	WE-U3L ⊕ †	NPN	10-30mm	18-22mm	2.6" x 0.708"	.710	58.59	52.74	47.47

* Dark-on † Light-on

Ultrasonic Sensor Sets

- Use for motion or distance sensing
- Frequency: 40kHz ±1.0kHz
- Aluminum case

136653CB: Transmit/Receive Set


136653CB

- Capacitance: 2000pF ±30%
- Transmitter: bandwidth 4.0kHz @ 112dB, sound pressure level 119dB @ 40±1.0kHz
- Lead length/spacing: 0.39"
- Receiver: bandwidth 3.5kHz @ -71dB, min. sensitivity 65dB @ 40±1.0kHz (R=3.9kΩ)
- Case size: 0.47"H x 0.62" Dia.

139491CB: Transmit/Receive Set


139491CB

- Capacitance: 2000pF ±20%
- Lead length/spacing: 0.28"
- Transmitter: bandwidth 5.0kHz @ 100dB, sound pressure level 112dB @ 40 ±1.0kHz
- Receiver: bandwidth 5.0kHz @ -75dB, min. sensitivity 67dB @ 40 ±1.0kHz (R=3.9kΩ)
- Case size: 0.30"H x 0.43" Dia.

Part No.	Mfg. P/N	1	10	50
136653CB	40TR16F ⊕	$6.95	$6.29	$5.65
139491CB	40TR12B ⊕	6.95	6.29	5.65

Latched Hall-Effect Sensor



- SP (south pole): on NP (north pole): off
- Supply voltage: 3-20V
- Supply current: 4mA
- Output current: 20mA
- Max. operating point: ≤ 130
- Max. release point (gauss): ≤ 130

Part No.	Cross Ref. No.	1	10	100	1000
174043CB	HI-300 ⊕	$.95	$.86	$.77	$.59

Vibration/Tilt Switch Sensor



Detects motion or vibration when the switch is mounted such that its main axis is near to the horizontal.

- Max contact load: 24VDC/115VAC @ 0.5A
- Typical contact resistance: 1Ω
- SPDT (measured at 5VDC @ 0.01A with switch tilted 45˚ beyond operating point)
- Tilt: one plane only; ±10 deg. included angle
- Minimum operating temperature: -37˚C

Part No.	Cross Ref. No.	1	10	100
235926CB	Series 3004 ⊕	$1.17	$1.07	$.97



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Magnetic Proximity Sensors


MP1014 Series


MP1005/MP1007


MP2017 Series


MP2019 Series

MP1014 Series Digital Hall-Effect
- Low-profile flange-mount housing
- Operating voltage range: 4.5 - 24VDC
- Output saturation voltage (max.): 400mV
- Supply current (max.): 5.2mA
- Output current (max.): 20mA

MP1001 Series Solid State
- Electrical immunity protection
- Operating voltage range: 5 - 24VDC
- Output saturation voltage (max.): 700mV
- Supply current (max.): 12mA
- Output current (max.): 25mA

MP1005/MP1007 Series Solid State
- Operating voltage range: 4.75 - 24VDC
- Output saturation voltage (max.): 700mV
- Adjustable, threaded housing
- Output current (max.): 25mA

MP1013 Series Hall-Effect
- Convenient snap-fit mounting
- Operating voltage range: 4.75 - 24VDC or 3.5 - 24VDC
- Output current (max.): 25mA
- Output saturation voltage (max.): 400 or 500mV
- Supply current (max.): 4 or 9mA

MP1021 Series Digital Hall-Effect
- Plastic flange-mount housing
- Operating voltage range: 4.5 - 24VDC
- Output saturation voltage (max.): 500mV
- Supply current (max.): 12mA
- Output current (max.): 25mA

MP2007 Series Reed-Based
- Aluminum threaded housing
- Breakdown voltage (min.): 200VDC
- Contact resistance (max.): 0.2Ω

MP2017 Series Reed-Based
- Encapsulated in smooth plastic barrel
- Breakdown voltage (min.): 200VDC
- Contact resistance (max.): 0.2Ω

MP2018/MP2019 Series Reed-Based
- Plastic flange-mount package
- Breakdown voltage (min.): 200VDC
- Contact resistance (max.): 0.2Ω

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Digital Vane Sensors

VN1015 Series Magnetically Activated
- Rugged, overmolded plastic housing with three pins or 3-wire flying leads
- Operating voltage range: 4.5 - 24VDC or 5 - 24VDC
- Supply current (max.): 6mA
- Output saturation voltage (max.): 400mV
- Output current (max.): 25mA



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Hardware and Spacer Assortment Kit


130497CB (Refill kit)

SAVE $36

Includes 2300 pcs. (23 types) Spacers, Nuts, Flat, Tooth & Lock Washers and Slotted PH Screws

100 each Spacers	100 each Hex nuts	100 each Flat	100 each Int. tooth	100 each Split lock	100 each PH machine screws
—	2-56	—	—	#2	2-56 x 1/4, —
4-40	4-40	#4	#4	#4	4-40 x 1/4, 1/2
6-32	6-32	#6	#6	#6	6-32 x 1/4, 1/2
8-32	8-32	#8	#8	#8	8-32 x 1/2, —

Part No.	Description	Wt. (lbs.)	1	10
108433CB	2300 pcs. Hardware kit	7.5	$55.95	$50.36
130497CB	Refill for 108433CB (2300 pcs.)	2.7	39.95	35.95

Geartooth Speed Sensors


GS1001/GS1002


GS1005/GS1007


GS1012 Series


MP2019 Series

GS1001/GS1002 Series Hall-Effect Speed
- Adjustable stainless steel housing
- Operating voltage range: 4.5 - 24VDC
- Output saturation voltage (max.): 700mV
- Supply current (max.): 6mA
- Output current (max.): 25mA

GS1005/GS1007 Series Hall-Effect Speed
- Adjustable aluminum housing
- Operating voltage range: 4.5 - 24VDC
- Output saturation voltage (max.): 400mV
- Supply current (max.): 6mA
- Output current (max.): 25mA

GS1012 Series Gear
- Flange mount rated to 125°C
- Operating voltage range: 5 - 24VDC
- Output saturation voltage (max.): 400mV
- Supply current (max.): 6mA
- Output current (max.): 25mA

SD1002/SD1012 Series Hall-Effect Speed & Direction
- Adjustable aluminum or flange-mount plastic housing
- Operating voltage range: 4.75 - 24VDC
- Output saturation voltage (max.): 1000mV
- Supply current (max.): 20mA
- Output current (max.): 20mA

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Alcoswitch Knobs



- 1/4" or 1/8" shaft sizes

K Series
- Machined aluminum alloy stock
- Finish: gloss anodize
- Setscrews: stainless steel, type 303, hex head, cup point

P Series
- General purpose phenolic (thermoset)
- Setscrews: steel, hex head, cup point
- Finish: gloss (except PKX, matte)
- Inlays: skirts: aluminum alloy, spun finish
- Insert: Copper alloy

These products ship from a separate warehouse and may not ship the same day.
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See Our Complete Alcoswitch Knobs Offering at
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Aluminum Instrumentation Knobs

(1/8" and 1/4" Shaft Diameters)

A Jameco EXCLUSIVE

Includes: Setscrew for secure attachment
290124CB: Coarse surface for sensitive control; 1/8" shaft diameter


290124CB


162481CB


162499CB


138481CB / 138501CB / 138510CB

Part No.	Cross Ref. No.	Shaft Size	Body Color	Pointer Color	Size (H" x Dia.")	1	10	100
290124CB	42008-1 ⊕	1/8"	Silver	Silver	.500 x .625	$1.99	$1.79	$1.61
162481CB	K5-1/4S ⊕	1/4"	Chrome	Silver	.500 x .560	1.19	1.09	.96
162499CB	K5-1/4B ⊕	1/4"	Black	White	.500 x .560	1.55	1.39	1.07
138481CB	KN031 ⊕	1/4"	Aluminum	Black	.610 x .650	1.49	1.35	1.19
138501CB	KN032 ⊕	1/4"	Aluminum	Black	.870 x .750	1.95	1.71	1.55
138510CB	KN033 ⊕	1/4"	Aluminum	Black	1.18 x .870	2.49	2.24	1.95

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Instrumentation Knobs (1/4" Shaft Diameters)

JAMECO ValuePro — A Jameco EXCLUSIVE

- JK-907 series: pressure fit type, top set screw; JK-905 series: side set screw
- CR-MS series for knurled shaft • All photos on www.Jameco.com


Fig. 1
264823CB


Fig. 2
265148CB


Fig. 3
265084CB


Fig. 4
265033CB


Fig. 5
265228CB

Part No.	Cross Ref. No.	Body Color	Pointer Color	Size (H" x Dia.")	Fig.	1	10	100
264823CB	CPBTAA191A1S6.4BK⊕	Black/Black	White	.79 x .77	1	$.99	$.93	$.88
264786CB	CPBTAA191A1S6.4RD⊕	Black/Red	White	.79 x .77	1	.99	.93	.88
264794CB	CPBTAA191A1S6.4YW⊕	Black/Yellow	White	.79 x .77	1	.99	.93	.88
264807CB	CPBTAA191A1S6.4BL⊕	Black/Blue	White	.79 x .77	1	.99	.93	.88
264815CB	CPBTAA191A1S6.4GN⊕	Black/Green	White	.79 x .77	1	.99	.93	.88
264831CB	CPBTAA191A1S6.4GY⊕	Black/Grey	White	.79 x .77	1	.99	.93	.88
265156CB	JK-907A-BL⊕	Grey/Blue	Blue	.76 x 1.27	2	1.99	1.87	1.78
265130CB	JK-907A-RD⊕	Grey/Red	Red	.76 x 1.27	2	1.99	1.87	1.78
265148CB	JK-907A-YW⊕	Grey/Yellow	Yellow	.76 x 1.27	2	1.99	1.87	1.78
265181CB	JK-907B-BL⊕	Grey/Blue	Blue	.86 x .94	2	1.99	1.87	1.78
265172CB	JK-907B-YW⊕	Grey/Yellow	Yellow	.86 x .94	2	1.99	1.87	1.78
265164CB	JK-907B-RD⊕	Grey/Red	Red	.86 x .94	2	1.99	1.87	1.78
265199CB	JK-907C-RD⊕	Grey/Red	Red	.72 x .68	2	1.99	1.87	1.69
265201CB	JK-907C-YW⊕	Grey/Yellow	Yellow	.72 x .68	2	1.99	1.87	1.78
265210CB	JK-907C-BL⊕	Grey/Blue	Blue	.72 x .68	2	1.99	1.87	1.78
265050CB	JK-905A⊕	Black/Red	White	.58 x .57	3	.92	.73	.66
265068CB	JK-905B⊕	Black/Yellow	White	.58 x .57	3	.92	.73	.66
265076CB	JK-905C⊕	Black/Blue	White	.58 x .57	3	.92	.73	.66
265084CB	JK-905D⊕	Black/Green	White	.58 x .57	3	.92	.73	.66
265017CB	JK-904A⊕	Black/Red	White	.47 x .78	4	.99	.93	.88
265025CB	JK-904B⊕	Black/Yellow	White	.47 x .78	4	.99	.93	.88
265033CB	JK-904C⊕	Black/Blue	White	.47 x .78	4	.99	.93	.88
265041CB	JK-904D⊕	Black/Green	White	.47 x .78	4	.99	.93	.88
265261CB	CR-MS-5C5-T18⊕*	Grey	Grey	.68 x .51	5	.78	.67	.61
265252CB	CR-MS-4C5-T18⊕*	Grey	Green	.68 x .51	5	.78	.67	.61
265244CB	CR-MS-3C5-T18⊕*	Grey	Blue	.68 x .51	5	.78	.67	.61
265236CB	CR-MS-2C5-T18⊕*	Grey	Yellow	.68 x .51	5	.78	.67	.61
265228CB	CR-MS-1C5-T18⊕*	Grey	Red	.68 x .51	5	.78	.67	.61

* For use with 1/4" knurled shaft

Black Instrumentation Knobs (1/4" Shaft Diameters)

JAMECO ValuePro

- Set screw for secure attachment • RN-112A/113A/114A: Numeric dial type


265092CB


265105CB


265113CB


265121CB


264997CB


265009CB


264882CB


264891CB


264911CB


264920CB


264946CB


264954CB


264989CB


102787CB


104176CB


202286CB


136240CB


138392CB

Part No.	Cross Ref. No.	Body Color	Pointer Color	Size (H" x Dia.")	1	10	100
265092CB	JK-906A⊕	Black	White	.72 x 1.39	$1.09	$.87	$.80
265105CB	JK-906B⊕	Black	White	.79 x .95	1.02	.71	.65
265113CB	JK-906C⊕	Black	White	.64 x .82	.83	.62	.57
265121CB	JK-906D⊕	Black	White	.58 x .61	.68	.55	.54
264997CB	JK-902A⊕	Black	White	.69 x 1.31	.74	.57	.53
265009CB	JK-902B⊕	Black	White	.60 x .95	.69	.47	.44
264920CB	JK-901A⊕	Black/Alum	White	.79 x 1.77	1.34	1.16	1.05
264946CB	JK-901B⊕	Black/Alum	White	.64 x 1.29	.90	.71	.65
264954CB	JK-901C⊕	Black/Alum	White	.61 x 1.06	.75	.59	.54
264989CB	JK-901D⊕	Black/Alum	White	.47 x .78	.68	.53	.48
264882CB	RN-112A⊕	Black/Alum	Numeric	.90 x 1.46	.99	.93	.88
264891CB	RN-113A⊕	Black/Alum	Numeric	.70 x 1.15	.99	.93	.88
264911CB	RN-114A⊕	Black/Alum	Numeric	.58 x 1.46	.99	.93	.88
102787CB	JK-903C⊕	Black	White	.54 x 1.25	.64	.41	.39
104176CB	JK-902C⊕	Black	White	.49 x .75	.99	.85	.65
202286CB	CP-Z1-M-S⊕	Black/Alum	White	.60 x .80	.79	.69	.64
136240CB	GKB-214⊕	Black/Alum	White	.52 x .54	.65	.55	.49
138392CB	41108-1⊕	Black/Alum	White	.56 x .85	.79	.59	.54

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Spacers & Standoffs

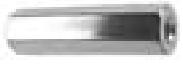
ABBATRON

Ceramic Spacers
- Grade L-5 ceramic • Thread depth: 1/4"



Nylon Round Spacers
- Low operating temperature • Molded nylon

Aluminum Round Spacers
- Low weight alternative to brass spacers



Brass Spacers
- Stand up moderately to extreme environmental conditions • Nickel plating

Aluminum Hex Standoffs
- Light weight

Brass Hex Standoffs
- Nickel plating • Non-oxidizing surface

Nylon Round Threaded Standoffs
- Allows wire to be threaded without fear of chafing • Hole Size: #4-40

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

See Our Complete Abbatron Hardware Offering at www.Jameco.com/Prod/AbbatronHW

Hardware

ABBATRON

Internal Tooth Lock Washer
- Steel • Contact plating: zinc



Hex Nut Washer
- Bolt mounting • Brass • Contact plating: nickel

Insulated Washer
- Nylon or Fiber

Bumpers & Chassis Feet w/ or w/o Washers
- Rubber • Convenient protection for electrical equipment

Grommet
- SBR/PVC • Prevents chafing through holes in panels

Internal Tooth Solder Lug
- Stud sizes #4, #6, #8 & #10 • Thickness: 0.018"

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD

See Our Complete Abbatron Hardware Offering at www.Jameco.com/Prod/AbbatronHW

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Spacers

Aluminum Round Spacers



- 3/16" OD • #4 ID (0.115")
- Iridite clear finish

✳ Prepackaged: order in increments of 10, 100 or 1000

Part No.	Product No.	Length	1	10	100	1000
392850CB	1107-4-A-7 ⊕	1/8"	✳	$.177	$.169	$.159
392868CB	1108-4-A-7 ⊕	3/16"	✳	.195	.186	.176
392876CB	1109-4-A-7 ⊕	1/4"	.20	.194	.19	.185
392884CB	1110-4-A-7 ⊕	5/16"	.26	.214	.203	.193
392892CB	1111-4-A-7 ⊕	3/8"	.26	.214	.203	.193
392905CB	1112-4-A-7 ⊕	7/16"	.34	.288	.274	.26
392913CB	1113-4-A-7 ⊕	1/2"	.29	.233	.221	.21
392921CB	1115-4-A-7 ⊕	5/8"	.30	.242	.23	.218
392930CB	1116-4-A-7 ⊕	11/16"	.44	.37	.35	.34
392948CB	1117-4-A-7 ⊕	3/4"	.33	.279	.265	.252

Brass Round Spacers

- 3/16" OD • #4 ID (0.115") • Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
392956CB	1107-4-B-12 ⊕	1/8"	$.79	$.67	$.64	$.60
392964CB	1108-4-B-12 ⊕	3/16"	.85	.68	.64	.61
392972CB	1109-4-B-12 ⊕	1/4"	.86	.74	.70	.67
392981CB	1110-4-B-12 ⊕	5/16"	.87	.74	.71	.67
392999CB	1111-4-B-12 ⊕	3/8"	.89	.75	.72	.68
393001CB	1112-4-B-12 ⊕	7/16"	.91	.77	.73	.70
393019CB	1113-4-B-12 ⊕	1/2"	.93	.78	.74	.70
393027CB	1115-4-B-12 ⊕	5/8"	1.12	.95	.90	.86
393035CB	1116-4-B-12 ⊕	11/16"	1.14	.96	.91	.87
393043CB	1117-4-B-12 ⊕	3/4"	1.16	.98	.93	.88

Aluminum Round Spacers



- 1/4" OD • #4 ID (0.115")
- Iridite clear finish

Part No.	Product No.	Length	1	10	100	1000
393051CB	1122-4-A-7 ⊕	1/8"	$.24	$.205	$.194	$.185
393060CB	1123-4-A-7 ⊕	3/16"	.24	.205	.194	.185
393078CB	1124-4-A-7 ⊕	1/4"	.24	.205	.194	.185
393086CB	1125-4-A-7 ⊕	5/16"	.24	.205	.194	.185
393094CB	1126-4-A-7 ⊕	3/8"	.30	.242	.23	.218
393107CB	1127-4-A-7 ⊕	7/16"	.39	.326	.309	.294
393115CB	1128-4-A-7 ⊕	1/2"	.30	.242	.23	.218
393123CB	1133-4-A-7 ⊕	13/16"	.39	.326	.309	.294
393131CB	1134-4-A-7 ⊕	7/8"	.39	.326	.309	.294
393140CB	1136-4-A-7 ⊕	1"	.39	.326	.309	.294

Brass Round Spacers

- 1/4" OD • #4 ID (0.115") • Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393158CB	1122-4-B-12 ⊕	1/8"	$.24	$.205	$.194	$.185
393166CB	1123-4-B-12 ⊕	3/16"	.22	.186	.177	.168
393174CB	1124-2-B-12 ⊕	1/4"	.26	.214	.203	.193
393182CB	1125-4-B-12 ⊕	5/16"	.31	.26	.247	.23
393191CB	1126-4-B-12 ⊕	3/8"	.32	.26	.247	.235
393203CB	1127-4-B-12 ⊕	7/16"	.77	.65	.62	.59
393211CB	1128-4-B-12 ⊕	1/2"	.34	.288	.274	.26
393220CB	1133-4-B-12 ⊕	13/16"	.97	.82	.78	.74
393238CB	1134-4-B-12 ⊕	7/8"	.66	.56	.53	.504
393246CB	1136-4-B-12 ⊕	1"	.74	.63	.60	.57

Aluminum Round Spacers



- 1/4" OD • #6 ID (0.140")
- Iridite clear finish

Part No.	Product No.	Length	1	10	100	1000
393254CB	1122-6-A-7 ⊕	1/8"	$.24	$.205	$.194	$.185
393262CB	1123-6-A-7 ⊕	3/16"	.24	.205	.194	.185
393271CB	1124-6-A-7 ⊕	1/4"	.24	.205	.194	.185
393289CB	1125-6-A-7 ⊕	5/16"	.24	.205	.194	.185
393297CB	1126-6-A-7 ⊕	3/8"	.30	.242	.23	.218
393300CB	1127-6-A-7 ⊕	7/16"	.39	.326	.309	.294
393318CB	1128-6-A-7 ⊕	1/2"	.30	.242	.23	.218
393326CB	1133-6-A-7 ⊕	13/16"	.39	.326	.309	.294
393334CB	1134-6-A-7 ⊕	7/8"	.39	.326	.309	.294

Brass Round Spacers

- 1/4" OD • #6 ID (0.140")
- Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393351CB	1122-6-B-12 ⊕	1/8"	$.24	$.205	$.194	$.185
393369CB	1123-6-B-12 ⊕	3/16"	.22	.186	.177	.168
393377CB	1124-6-B-12 ⊕	1/4"	.26	.214	.203	.193
393385CB	1125-6-B-12 ⊕	5/16"	.31	.26	.247	.235
393393CB	1126-6-B-12 ⊕	3/8"	.32	.26	.247	.235
393406CB	1127-6-B-12 ⊕	7/16"	.77	.65	.62	.59
393414CB	1128-6-B-12 ⊕	1/2"	.34	.288	.274	.26
393422CB	1133-6-B-12 ⊕	13/16"	.97	.818	.78	.74
393431CB	1134-6-B-12 ⊕	7/8"	.66	.56	.53	.504
393449CB	1136-6-B-12 ⊕	1"	.74	.63	.60	.57

Standoffs, Male-Female

Male-Female Hex Aluminum Standoffs



- 3/16" Hex • 4-40 thread
- Iridite clear finish
- Thread length : 1/4"

Part No.	Product No.	Length	1	10	100	1000
393457CB	4501-440-A-7 ⊕	1/4"	$.35	$.298	$.283	$.269
393465CB	4503-440-A-7 ⊕	3/8"	.35	.298	.283	.269
393473CB	4505-440-A-7 ⊕	1/2"	.35	.298	.283	.269
393490CB	4509-440-A-7 ⊕	3/4"	.39	.326	.309	.294
393502CB	4513-440-A-7 ⊕	1"	.39	.326	.309	.294

Male-Female Hex Aluminum Standoffs

- 3/16" Hex • 6-32 thread
- Iridite clear finish
- Thread length : 3/8"

Part No.	Product No.	Length	1	10	100	1000
393537CB	4501-632-A-7 ⊕	1/4"	$.35	$.298	$.283	$.269
393545CB	4503-632-A-7 ⊕	3/8"	.35	.298	.283	.269
393553CB	4505-632-A-7 ⊕	1/2"	.35	.298	.283	.269
393570CB	4509-632-A-7 ⊕	3/4"	.39	.326	.309	.294
393588CB	4513-632-A-7 ⊕	1"	.39	.326	.309	.294

Male-Female Hex Brass Standoffs

- 1/4" Hex • Zinc clear chromate finish
- 4-40 thread • Thread length : 3/16"

Part No.	Product No.	Length	1	10	100	1000
393836CB	4530-440-B-12 ⊕	1/4"	$.73	$.61	$.58	$.55
393844CB	4532-440-B-12 ⊕	3/8"	.75	.63	.60	.57
393852CB	4534-440-B-12 ⊕	1/2"	.81	.69	.65	.62
393861CB	4536-440-B-12 ⊕	5/8"	.83	.70	.66	.63
393879CB	4538-440-B-12 ⊕	3/4"	.78	.66	.63	.60
393887CB	4542-440-B-12 ⊕	1"	.78	.66	.63	.60
393895CB	4546-440-B-12 ⊕	1-1/4"	.85	.72	.68	.65
393908CB	4550-440-B-12 ⊕	1-1/2"	1.24	1.05	1.00	.95

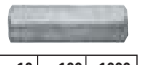
Male-Female Hex Brass Standoffs

- 1/4" Hex • Zinc clear chromate finish
- 6-32 thread • Thread length : 3/16"

Part No.	Product No.	Length	1	10	100	1000
393916CB	4530-632-B-12 ⊕	1/4"	$.73	$.61	$.58	$.55
393924CB	4532-632-B-12 ⊕	3/8"	.75	.63	.60	.57
393932CB	4534-632-B-12 ⊕	1/2"	.81	.69	.65	.62
393941CB	4538-632-B-12 ⊕	3/4"	.78	.66	.63	.60
393959CB	4542-632-B-12 ⊕	1"	.78	.66	.63	.60
393967CB	4546-632-B-12 ⊕	1-1/4"	.85	.72	.68	.65

Standoffs, Female-Female

Female-Female Hex Brass Standoffs



- 1/4" Hex • 4-40 thread
- Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393684CB	2100-440-B-12 ⊕	1/4"	$.24	$.205	$.194	$.185
393692CB	2102-440-B-12 ⊕	3/8"	.37	.307	.292	.277
393705CB	2103-440-B-12 ⊕	7/16"	.71	.60	.57	.55
393713CB	2104-440-B-12 ⊕	1/2"	.44	.372	.353	.336
393721CB	2106-440-B-12 ⊕	5/8"	.61	.512	.486	.462
393730CB	2108-440-B-12 ⊕	3/4"	.69	.58	.55	.52
393748CB	2112-440-B-12 ⊕	1"	.81	.69	.65	.62

Female-Female Hex Brass Standoffs

- 1/4" Hex • 6-32 thread • Zinc clear chromate finish

Part No.	Product No.	Length	1	10	100	1000
393756CB	2100-632-B-12 ⊕	1/4"	$.24	$.205	$.194	$.185
393764CB	2102-632-B-12 ⊕	3/8"	.37	.307	.292	.277
393772CB	2104-632-B-12 ⊕	1/2"	.44	.372	.353	.336
393781CB	2106-632-B-12 ⊕	5/8"	.61	.512	.486	.462
393799CB	2108-632-B-12 ⊕	3/4"	.69	.58	.548	.52
393801CB	2112-632-B-12 ⊕	1"	.81	.69	.65	.62
393810CB	2120-632-B-12 ⊕	1-1/2"	.77	.65	.62	.59

Thumbscrews

Washer-Face Aluminum



Part No.	Product No.	Thread	Thread Length	Length	1	10	100	1000
393975CB	7100-A ⊕	4-40	5/16"	5/8"	$1.55	$1.47	$1.40	$1.33
393983CB	7101-A ⊕	4-40	3/8"	11/16"	1.55	1.47	1.40	1.33
393991CB	7105-A ⊕	4-40	1/2"	13/16"	1.55	1.47	1.40	1.33
394003CB	7106-A ⊕	8-32	3/8"	11/16"	1.69	1.61	1.53	1.45
394011CB	7107-A ⊕	8-32	1/2"	13/16"	1.75	1.66	1.58	1.50
394020CB	7109-A ⊕	10-32	3/8"	11/16"	1.69	1.61	1.53	1.45
394038CB	7111-A ⊕	10-32	5/8"	15/16"	1.75	1.66	1.58	1.50
394046CB	7112-A ⊕	1/4-20	3/8"	3/4"	1.79	1.70	1.62	1.54

Plain Aluminum



Part No.	Product No.	Thread	Thread Length	Length	1	10	100	1000
394054CB	7120-A ⊕	4-40	5/16"	1/2"	$1.55	$1.47	$1.40	$1.33
394062CB	7125-A ⊕	6-32	3/8"	9/16"	1.49	1.42	1.35	1.28
394071CB	7128-A ⊕	8-32	3/8"	9/16"	1.65	1.56	1.49	1.41
394089CB	7135-A ⊕	10-32	1/2"	11/16"	1.69	1.60	1.52	1.44
394097CB	7138-A ⊕	1/4-20	1/2"	3/4"	1.79	1.71	1.63	1.55
394100CB	7140-A ⊕	1/4-20	5/8"	7/8"	1.85	1.76	1.67	1.59

Visit Our Website at www.Jameco.com

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Aluminum & Brass Threaded Standoffs

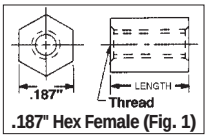
† Finish: Iridite (clear)[1] per MIL-C-5541-D; bright tin plate[2]; stainless steel[3]



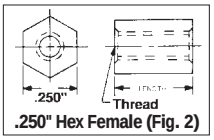
Hex .187"/.250" Female



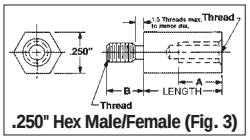
Hex .250" Male/Female



.187" Hex Female (Fig. 1)



.250" Hex Female (Fig. 2)



.250" Hex Male/Female (Fig. 3)

.187" Hex Female

4-40 Thread (Fig. 1) .187" Hex

10 piece minimum

Part Number	Metal†	Hex Length	Pricing 10	100	1000
175636CB	Brass ⊕[2]	.187"	$.21	$.15	$.10
102795CB	Brass ⊕[2]	.240"	.21	.15	.10
133612CB	Alum ⊕[1]	.250"	.20	.14	.11
133639CB	Alum ⊕[1]	.500"	.22	.20	.11
139791CB	Alum ⊕[1]	.562"	.19	.16	.14
133647CB	Alum ⊕[1]	.625"	.14	.13	.115
133655CB	Alum ⊕[1]	.750"	.43	.39	.23
139184CB	Alum ⊕[1]	1.000"	.43	.39	.32

.250" Hex Female

4-40 Thread (Fig. 2) .250" Hex

✳ Prepackaged: order in increments of 10, 100 or 1000

Part Number	Metal†	Hex Length	Pricing 1	10	100	1000
139192CB	Alum ⊕[1]	.250"	✳	$.17	$.13	$.09
77500CB	Alum ⊕[1]	.375"	✳	.20	.15	.09
134762CB	Alum ⊕[1]	.437"	✳	.21	.18	.15
108370CB	Alum ⊕[1]	.500"	✳	.25	.17	.10
77518CB	Alum ⊕[1]	.625"	.42	.35	.19	.14
133604CB	Alum ⊕[1]	.750"	.41	.37	.21	.16
139205CB	Alum ⊕[1]	1.000"	.54	.39	.28	.16

.250" Hex Female

6-32 Thread (Fig. 2) .250" Hex

✳ Prepackaged: order in increments of 10, 100 or 1000

Part Number	Metal†	Hex Length	Pricing 1	10	100	1000
77534CB	Alum ⊕[1]	.250"	✳	$.22	$.14	$.08
133591CB	Alum ⊕[1]	.375"	.32	.29	.13	.09
77542CB	Alum ⊕[1]	.500"	✳	.22	.17	.10
77551CB	Alum ⊕[1]	.625"	✳	.25	.19	.14
77569CB	Alum ⊕[1]	.750"	.31	.28	.21	.13
77577CB	Alum ⊕[1]	1.000"	.59	.35	.30	.16
143407CB	Alum ⊕[1]	1.500"	.69	.61	.49	.42
143440CB	Alum ⊕[1]	1.750"	.79	.59	.48	.41

.250" Hex Male/Female

4-40 Thread (Fig. 3) (Thread A: .250"; B: .187")

Part Number	Metal†	Hex Length	Pricing 1	10	100	1000
77585CB	Alum ⊕[1]	.250"	$.39	$.37	$.19	$.10
77593CB	Alum ⊕[1]	.375"	.43	.34	.19	.12
111755CB	Alum ⊕[1]	.500"	.49	.44	.36	.20
139213CB	Alum ⊕[1]	.625"	.43	.39	.35	.31
139221CB	Alum ⊕[1]	.750"	.43	.39	.35	.21
139230CB	Alum ⊕[1]	1.00"	.49	.44	.36	.30
128565CB	Alum ⊕[1]	1.25"	.59	.53	.44	.38
166545CB	Alum ⊕[1]	1.50"	.75	.65	.59	.49
618020CB	Steel ⊕[3]	1.50"	.79	.69	.63	.53

.250" Hex Male/Female

6-32 Thread (Fig. 3) (Thread A: .375"; B: .250")

10 piece minimum

Part Number	Metal†	Hex Length	Pricing 10	100	1000
133541CB	Alum ⊕[1]	.250"	$.35	$.21	$.19
133567CB	Alum ⊕[1]	.375"	.39	.35	.22
77606CB	Alum ⊕[1]	.500"	.32	.29	.23
77622CB	Alum ⊕[1]	.750"	.39	.35	.28
77649CB	Alum ⊕[1]	1.000"	.44	.40	.32
206623CB	Steel ⊕[3]	1.250"	.40	.31	.23

RAF Instrumentation Handles

216821CB:

- Oval diameter: 5/8"
- Internal thread size: 10-32
- Material: brass, nickel plate



216821CB

457801CB:

- Oval diameter: 1/4"
- Internal thread size: 6-32
- Material: black anodized steel

Part No.	Size (L" x H" x T")	1	10	100
216821CB	3.0 x 1.3 x 0.3 ⊕	$2.49	$2.12	$1.59
457801CB	3.0 x 1.0 x 0.4 ⊕	2.19	1.83	1.70

SAE Hardware

- Zinc-plated steel



Prepackaged: order in increments of 100 or 1000

Slotted Pan Head Machine Screws

Part Number	Screw Size	Thread	Length (inches)	100 piece minimum 100	1000
38172CB	2-56 ⊕	Std	.250	$.025	$.022
40951CB	4-40 ⊕	Std	.250	.019	.011
40969CB	4-40 ⊕	Std	.375	.017	.012
106809CB	4-40 ⊕	Std	.500	.018	.013
106542CB	6-32 ⊕	Std	.250	.018	.013
42446CB	6-32 ⊕	Std	.375	.019	.014
42438CB	6-32 ⊕	Std	.500	.019	.015
106796CB	8-32 ⊕	Std	.500	.04	.025

Hex Nuts

Part Number	Screw Size	Thread	Length (inches)	100 piece minimum 100	1000
38164CB	2-56 ⊕	Std	.183	$.022	$.014
211123CB	4-40 ⊕	Sm	.184	.023	.011
40942CB	4-40 ⊕	Std	.243	.025	.013
42420CB	6-32 ⊕	Std	.306	.023	.014
51553CB	8-32 ⊕	Std	.334	.02	.014

Flat Washers

Part Number	Screw Size	Dia. (inches)	100 piece minimum 100	1000
211131CB	4 ⊕	.237	$.019	$.014
106825CB	4 ⊕	.281	.022	.019
106833CB	6 ⊕	.373	.023	.02
106841CB	8 ⊕	.377	.04	.025

Internal Tooth Lock Washers

Part Number	Screw Size	Dia. (inches)	100	1000
106850CB	4 ⊕	.258	$.018	$.015
106868CB	6 ⊕	.277	.018	.015
106876CB	8 ⊕	.323	.02	.018

Split Lock Washers

Part Number	Screw Size	Dia. (inches)	100	1000
106788CB	2 ⊕	.161	$.024	$.016
211140CB	4 ⊕	.201	.02	.015
40977CB	4 ⊕	.242	.02	.015
42462CB	6 ⊕	.240	.015	.013
51609CB	8 ⊕	.279	.02	.012

200 Piece Spring Assortment

This kit contains approximately 200 springs with 20 different types, compression and tension ratings in a clear plastic case. They range from smallest which is about 10mm long to the longest 70mm long. Spring sizes listed on lid of plastic case.



Part No.	Description	1	10
314413CB	200-piece spring assortment ⊕	$7.29	$6.89

3M Adhesive Rubber Feet

These are perfect for project boxes, providing a non-slip, non-scratch surface.

✪ Blue P/N = Limited Quantity Available

119618CB 

126981CB 



Fig. 1



Fig. 2



Fig. 3



Fig. 4

Part No.	Product No.	Type	Fig.	Pack	(W" x H")	1	10	50
119618CB	SJ5012BLK4✪	Black cylindrical	1	4	.50 x .14	$.39	$.38	$.36
142658CB	SJ5012BLKC ⊕	Black cylindrical	1	100	.50 x .14	5.95	5.35	4.86
142771CB	SJ5008BLKC ⊕	Black square	2	100	.50 x .12	6.69	4.76	3.79
142682CB	SJ5018BLKC ⊕	Black square	3	100	.50 x .23	9.95	8.25	7.04
126981CB	SJ5023BLK4 ⊕	Black square	4	4	.81 x .30	1.95	1.75	1.59
142666CB	SJ5023BLKC ⊕	Black square	4	100	.81 x .30	14.25	9.10	8.69

PCB Standoff Mounting Hardware

SALE

- Snap "on"
- Nylon
- 291987CB: with thread
- **10 piece minimum**



129251CB



28337CB



148056CB



156831CB

Part No.	Cross Ref. No.	Dimensions	Holes	10	100	1000
28337CB	PCST ⊕	1.2"L x 0.6"W	0.2"	$.12	$.07	$.04
129251CB	PCST2 ⊕	0.9"L x 0.4"Dia.	0.2"/0.3"	.18	.11	.075
148056CB	PCST3 ⊕	0.8"L x 0.5"W	0.1"/0.2"	.09	.08	.06
156831CB	KCS10 ⊕	0.68"L x 0.32"Dia.	0.14"	.125	.093	.073
291961CB	ACBS-6 ⊕	0.75"L x 0.5"W	0.1"/0.2"	.122	.052	.029
291987CB	CASE-45-50 ⊕	0.85"L x 0.3"Dia.	0.2"	.126	.083	.053
292015CB	SCB-6 ⊕	0.7"L x 0.27"Dia.	0.1"/0.2"	.162	.138	.117

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.


135394CB – Electrolytic


135271CB – LEDs


169578CB – Photocells


18294CB – Toy Motors


149649CB – Fans


55968CB – Spacers


319599CB – Cabinet

* "LB" grab bag quantities and weights are approximate • Opened grab bags are not returnable • Use our 20-drawer cabinet w/ labels to store your components, P/N 319599CB

Shaded in brown on this page you will find Jameco's nine most popular component Grab Bags. They are all individually bagged, and are combined to make up the Schwab's School Selection (P/N 163213CB) referenced towards the bottom of the page.

Capacitors

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17857CB	GB100	200 asst. ceramic disc capacitors	0.2	$4.95	$4.49
135335CB	GB100LB*	1 lb. (813 pcs) asst. ceramic disc caps.	1.0	12.95	11.49
17881CB	GB101	100 assorted mylar capacitors	0.3	5.95	5.35
135458CB	GB101LB*	1 lb. (440 pcs) asst. mylar capacitors	1.0	14.95	13.49
17911CB	GB102	100 assorted electrolytic capacitors radial, axial, snap	0.5	4.95	4.49
135394CB	GB102LB*	1.5 lb. assorted (300 pcs) electrolytic caps. radial, axial, snap (photo above)	1.5	12.95	11.49
17945CB	GB103	100 assorted tantalum capacitors (dipped epoxy and solid tubular)	0.1	9.95	8.95

Diodes, Transistors and Crystals/Oscillators

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
17961CB	GB107	200 assorted diodes (zener, switching, silicon)	0.1	$5.95	$5.35	$4.79
18171CB	GB127	100 assorted transistors (NPN, PNP, power)	0.1	5.95	5.35	4.79
114446CB	GB150	50 assorted crystals/oscillators	0.2	7.95	6.95	6.25

Resistors, Trimmers and Potentiometers

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18104CB	GB116	200 asst. 1/4W resistors (5&10%)	0.1	$5.49	$4.95
135351CB	GB116LB*	1 lb. (2000 pcs) asst. 1/4W resistors	1.0	14.95	13.49
18139CB	GB117	200 asst. 1/2W resistors (5&10%)	0.2	5.95	5.35
18075CB	GB113	100 asst. 1/10W to 1/8W trimmer pots (100Ω to 2MΩ values)	0.1	5.15	3.89
18278CB	GB174	100 assorted 1/4W & 1/2W single-turn pots (100Ω to 5MΩ assorted values)	0.2	6.95	6.25

Integrated Circuits and Sockets

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17996CB	GB108	100 assorted 7400, 74LS00 series (74, 74C, 74F, 74S, 74ALS, 74HC, 74HCT)	0.2	$6.95	$6.25
135280CB	GB108LB*	1 lb. (400 pcs) asst. 7400, 74LS00 series (74, 74C, 74F, 74S, 74ALS, 74HC, 74HCT)	1.0	19.05	17.15
18024CB	GB109	100 asst. linear series (LM300, 500, 700, 7800, 7900 reg.) DIP, TO-3, TO-220	0.6	7.95	6.95
145242CB	GB109LB*	2 lb. (300 pcs) asst. linear series (LM300, 500, 700, 7800, 7900 reg.)	2.0	19.05	17.14
114964CB	GB171	100 asst. microprocessor series (micros, PALS, RAMs, PROMS, EPROMs)	0.7	12.95	11.49
105620CB	GB120	100 asst. sockets (DIP IC, PGA)	0.3	5.95	5.35
135386CB	GB120LB*	1 lb. (260 pcs) assorted sockets (DIP, PGA, SIMM, SIP, DIN)	1.0	12.95	11.49

velleman 5mm x 20mm Fast Acting Fuse Kit

- Voltage rating: 250VAC
- Glass caartridge, silver-end caps
- IEC127 / BS4265 / CEE4 specifications
- 100 pieces: 10 ea. of 0.1A, 0.2A, 0.5A, 1A, 1.6A, 2A, 2.5A, 3A, 4A and 5A

NEW



Part No.	Product No.	1	10	25
645343CB	K/FF ⊕	$12.29	$11.68	$11.09

LEDs, Displays and Photocells

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
18041CB	GB110	100 assorted sizes & colored LEDs (T1&T1 3/4 round and rectangular)	0.1	$6.95	$6.29	$5.65
18323CB	GB186	500 asst. sizes #18041CB LEDs	0.3	19.95	17.95	15.95
135271CB	GB110LB*	1 lb. (1900 pcs) asst. #18041CB LEDs	1.0	44.95	40.95	38.95
18201CB	GB162	50 asst. sizes of colored displays (7-segment LED, modules, stick)	0.5	9.95	7.45	6.69
169578CB	GB125	100 asst. values photocells	0.2	12.95	11.49	10.35

Switches, Toy Motors and Fans

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18235CB	GB165	50 assorted switches (toggle, pushbutton, rocker, slide)	0.4	$8.75	$7.69
135378CB	GB165LB*	1 lb. (135 pcs) asst. #18235CB switches	1.0	18.95	16.95
18294CB	GB182	5 asst. toy DC motors (1.5–24V)	1.1	5.49	4.95
149649CB	GB193	5 asst. AC&DC fans (photo above)	4.5	8.75	7.69

Hardware Assortments

- 2-56 • 4-40 • 6-32 • 8-32
- Screws • Plastic • Nuts • Washers
- Steel • Brass • Lock Washers • Aluminum



Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
171571CB	GB149*	1 lb. (500 pcs) asst. types of screws, nuts, washers & lock washers	1.0	$5.95	$5.35	$4.79
171635CB	GB149LB*	3 lbs. (1400 pcs) asst. types; same as P/N 171571CB (above)	3.0	12.95	11.49	9.95

Spacers and Standoffs Assortments

- Round • Hex • Aluminum • Brass • Steel • Plastic • Nylon

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
166481CB	GB440	100 asst. 4-40 spacers/standoffs	0.5	$9.99	$8.99	$8.29
166490CB	GB632	100 asst. 6-32 spacers/standoffs	0.5	9.99	8.99	8.29
55968CB	GB140	100 asst. 4-40, 6-32, 8-32 round/ hex, alum/brass/nylon spacers	0.3	10.95	9.86	8.87
135423CB	GB140LB*	1 lb. (310 pcs) same as P/N 55968CB	1.0	21.59	19.44	17.50

Schwab's School Selection

Jameco's nine most popular Grab Bags (highlighted on this page) are all individually bagged. North Dakota Engineer, Loren Schwab, recommended this selection of products as a standard item. He also recommended a 20-drawer component cabinet with labels (319599CB photo above) for storage.

$60.89 Value



Includes: Ceramic and electrolytic capacitors, diodes, transistors, potentiometers, LEDs, 1/4W resistors, switches, spacers and standoffs.

What's your suggestion?

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
163213CB	GB197	Schwab's School Selection	3.3	$39.95	$34.95
319599CB	GB197 ⊕	20 drawer component cabinet	4.7	15.95	13.95

We're Listening To What You Need

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Let us know how we can better serve your electronics needs.
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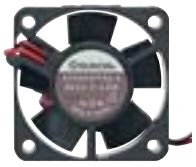
Electromech

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

DC Brushless Fans

RoHS RoHS Compliant Product ⊕ RoHS Also Available

Color Code Legend: New | Sale | Lower$ | QtySave


102921CB


279566CB

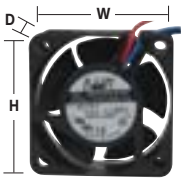
Call for additional OEM PRICING – we carry major manufacturers.

- Low profile
- Ball and sleeve bearings
- Power input by lead wires or terminals
- PBT black thermo plastic frame and impeller
- Agency approved
- Low power consumption
- Low acoustical noise rating

SALE

Lower $$$

Quantity SAVE



249375CB


354933CB

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
131246CB	Adda ⊕	AD0205LX-G50	5	1.00 x 1.00 x 0.40	1.8	Sleeve	100	0.5	UL/CSA/CE	15.6	5.5"	$8.49	$7.64	$7.01	$6.63
206156CB	Sunon	KDE0502PFB3-8	5	1.00 x 1.00 x 0.40	1.8	Ball	60	0.3	UL/CSA/TUV/CE	23	5"	11.95	10.95	9.95	7.95
196373CB	Sunon ⊕	KD0504PFB2-8	5	1.60 x 1.60 x 0.40	5.5	Ball	90	0.5	UL/CUL	23	12"	8.95	8.09	7.25	6.55
102921CB	Sunon ⊕	KD0504PFS2-8	5	1.60 x 1.60 x 0.40	6.3	Sleeve	120	0.6	UL/CUL	24.3	12"	7.95	6.95	6.25	5.59
171678CB	Delta	AFB0405HHD	5	1.60 x 1.60 x 0.80	8.6	Ball	700	2.0	None	36	2.5"	5.49	4.94	4.45	3.70
207061CB	Adda	AD0505MB-G90	5	2.00 x 2.00 x 0.40	10.5	Ball	120	0.7	UL/CSA/CE	24	11"	7.95	6.95	6.25	5.59
355493CB	Sunon	KD0506PTS3	5	2.36 x 2.36 x 1.00	15.9	Sleeve	230	1.2	UL/CUL/CE	26.7	6.5" w/ conn.	8.19	7.37	5.89	4.42
279566CB	Mechatronics	F6025H05B	5	2.36 x 2.36 x 1.00	20	Ball	410	2.05	UL/CUL/TUV	31	6"	8.45	8.05	7.18	6.82
212804CB	Sunon ⊕	KDE1202PFB3-8	12	1.00 x 1.00 x 0.40	1.3	Ball	40	0.5	UL/CUL/TUV/CE/VDE	26	5.9"	10.95	9.89	8.89	7.99
212791CB	Sunon	KDE1202PFB1-8	12	1.00 x 1.00 x 0.40	2.4	Ball	80	1.0	UL/CUL/TUV/CE/VDE	33	5.9"	10.95	9.86	7.88	6.26
212783CB	Sunon ⊕	KDE1203PFB1-8	12	1.18 x 1.18 x 0.40	3.5	Ball	75	0.9	UL/CUL/TUV/CE/VDE	27	5.9"	10.95	8.50	7.85	6.95
212741CB	Sunon ⊕	KDE1235PFB2-8	12	1.40 x 1.40 x 0.40	4.5	Ball	60	0.8	UL/CUL/TUV/CE/VDE	21	5.9"	11.95	10.76	8.60	6.45
212759CB	Sunon ⊕	KDE1235PFB1-8	12	1.40 x 1.40 x 0.40	5.2	Ball	80	1.0	UL/CUL/TUV/CE/VDE	25	5.9"	11.95	10.76	9.68	8.06
207052CB	Adda	AD0412MB-K90	12	1.60 x 1.60 x 0.25	5.5	Ball	60	0.72	UL/CSA/TUV/CE	25	5"	6.95	6.26	5.00	3.75
191476CB	Common Wealth ⊕	FP-108HX/DC	12	1.60 x 1.60 x 0.40	4.0	Sleeve	60	0.72	UL/CSA/TUV/CE	25	12"	5.29	4.76	3.81	2.86
210796CB	Sunon ⊕	KD1204PFB3H	12	1.60 x 1.60 x 0.40	4.7	Ball	50	0.6	UL/CUL/TUV/CE	24	14"	6.95	6.25	5.59	4.95
355418CB	ReliaPro ⊕	JR-DCF1241010S1	12	1.60 x 1.60 x 0.40	5.2	Sleeve	60	0.72	UL/CUL/TUV/CE	22.6	11.5"	5.65	3.85	3.52	3.35
279611CB	Toyo	T401012VH	12	1.60 x 1.60 x 0.40	5.8	Ball	90	1.1	UL/CUL/TUV/CE	33.5	12"	6.49	5.84	4.67	3.50
189691CB	Sunon ⊕	KD1204PFS1-8	12	1.60 x 1.60 x 0.40	6.6	Sleeve	60	0.7	UL/CUR/TUV/CE	30	12"	7.95	7.19	6.45	5.45
161699CB	Sunon ⊕	KD1204PFB2-8	12	1.60 x 1.60 x 0.40	6.3	Ball	70	0.6	UL/CUL/TUV/CE	30	12"	7.95	6.95	6.25	5.59
212716CB	Sunon ⊕	KDE1204PFB2-H	12	1.60 x 1.60 x 0.40	6.5	Ball	90	1.1	UL/CUL/TUV/CE/VDE	27	12"	6.65	4.95	4.36	3.95
290010CB	Adda	AD0412HB-G70	12	1.60 x 1.60 x 0.40	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	10" w/ conn.	4.95	4.60	4.14	3.72
311968CB	Adda	AD0412HS-G70	12	1.60 x 1.60 x 0.40	6.7	Sleeve	100	1.2	UL/CUL/TUV/CE	25	2.5"	4.25	3.83	3.06	2.29
213428CB	Adda	ADO412HB-G76[1]	12	1.60 x 1.60 x 0.40	6.7	Ball	100	1.2	CE	30.2	12"/3 leads	7.59	6.83	5.46	4.10
212724CB	Sunon ⊕	KDE1204PFB1-H	12	1.60 x 1.60 x 0.40	8.3	Ball	110	1.4	UL/CUL/TUV/CE/VDE	34.4	12"	6.65	5.98	4.79	3.59
174131CB	Jamicon	JF0413S1M	12	1.60 x 1.60 x 0.47	3.8	Sleeve	90	1.1	UL/CSA/TUV	29	14"	2.95	2.66	2.12	1.59
136178CB	Adda	AD0412MS-C70	12	1.60 x 1.60 x 0.80	5	Sleeve	110	1.32	UL/CSA	23	9"	5.49	4.95	3.95	2.95
195899CB	Sunon	KDE1204PKS2	12	1.60 x 1.60 x 0.80	6.5	Sleeve	70	0.9	UL/CSA/TUV	25.5	12"	7.95	7.15	6.45	5.35
279620CB	Toyo	T402012H	12	1.60 x 1.60 x 0.80	6.7	Ball	70	0.84	UL/CUL/TUV/CE	26.2	12"	7.29	6.56	5.25	3.94
206447CB	Delta	DFB0412H	12	1.60 x 1.60 x 0.80	8.5	Ball	100	1.0	UL/CSA/VDE	32	8"	7.95	7.16	6.44	5.80
249375CB	Adda	ADO412HB-C56[2]	12	1.60 x 1.60 x 0.80	9.2	Ball	100	1.1	UL/CUL/TUV/CE	39.3	2"	8.95	8.06	6.44	4.83
206164CB	Sunon ⊕	KDE1204PKBX-8	12	1.60 x 1.60 x 0.80	10	Ball	90	1.1	UL/TUV/CE	29.4	2"	8.95	8.06	6.44	4.83
212679CB	Sunon	KDE1245PFB3-H	12	1.80 x 1.80 x 0.40	6.1	Ball	60	0.7	UL/CUL/TUV/CE/VDE	23	12"	5.49	4.94	4.45	4.00
212687CB	Sunon ⊕	KDE1245PFB2-H	12	1.80 x 1.80 x 0.40	8.0	Ball	90	1.1	UL/CUL/TUV/CE/VDE	29	12"	$5.49 4.59	4.13	3.30	2.48
212644CB	Sunon ⊕	KDE1205PFB3-HG	12	2.00 x 2.00 x 0.40	8.5	Ball	60	0.7	UL/CUL/TUV/CE/VDE	26	12"	6.49	5.84	5.26	4.73
212652CB	Sunon ⊕	KDE1205PFB2-HG	12	2.00 x 2.00 x 0.40	10.6	Ball	80	1.0	UL/CUL/TUV/CE/VDE	31.5	12"	5.19	4.67	3.74	2.85
297959CB	Delta	EFB0512HA	12	2.00 x 2.00 x 0.40	11.4	Ball	150	1.8	UL/CSA/CE/VDE	30	6" w/ conn.	6.29	5.66	4.53	3.40
212661CB	Sunon ⊕	KDE1205PFB1-HG	12	2.00 x 2.00 x 0.40	12.5	Ball	110	1.4	UL/CUL/TUV/CE/VDE	36	12"	6.65	4.95	4.36	3.95
206965CB	Adda	AD0512HB-D71	12	2.00 x 2.00 x 0.60	11.7	Ball	100	1.2	UL/CUL/TUV/CE	28.5	5"	3.55	3.20	2.56	1.92
139601CB	Adda ⊕	AD0512HS-D71	12	2.00 x 2.00 x 0.60	12	Sleeve	100	1.2	UL/CSA/CE	29	12"	7.49	6.74	5.39	4.04
249092CB	Sunon	KDE1206PFV2	12	2.36 x 2.36 x 0.40	13.6	Vapo	80	1.0	UL/CSA/CE/TUV	25	11"	7.99	6.45	5.29	4.10
354933CB	Delta	EFB0612MA	12	2.36 x 2.36 x 0.40	15.5	Ball	120	1.4	UL/CSA/VDE/CE	29	12"/3 leads	7.99	7.17	6.60	6.05
195944CB	Adda ⊕	AD612MS-D71GL	12	2.36 x 2.36 x 0.60	14.2	Sleeve	110	1.32	UL/CSA/TUV/CE	28.8	6"	7.49	6.69	5.45	4.15
249068CB	Jamicon ⊕	JF0615B1H	12	2.36 x 2.36 x 0.60	15.7	Ball	170	2.04	UL/CUL/TUV/CE	34	10.5"	8.75	7.89	7.09	6.39
175046CB	Globe Motors	D24-B08A-04W3-000	12	2.36 x 2.36 x 0.80	10.6	Ball	90	0.8	UL/CSA/TUV/CE	22	13"	6.95	6.26	5.00	3.75
144160CB	Adda ⊕	AD0612LB-C70GL	12	2.36 x 2.36 x 0.80	12.6	Ball	80	1.0	UL/CSA/TUV	22.7	6"	8.79	7.99	6.39	4.85
189595CB	Sunon	KD1206PKS2	12	2.36 x 2.36 x 0.80	16.5	Sleeve	150	1.8	UL/CSA/TUV/CE	31	12"	4.95	4.46	4.01	3.60
237075CB	Nidec	TA225DC-B33399-55	12	2.36 x 2.36 x 1.00	12	Ball	110	1.3	UL/CSA	17.2	10"	5.95	5.36	4.82	3.62
75352CB	Common Wealth	FP108FDC12VS2	12	2.36 x 2.36 x 1.00	15.5	Sleeve	110	1.3	UL/CSA/TUV/CE	25	12"	$5.79 2.35	2.13	1.94	1.76
136143CB	Delta	SB0612M	12	2.36 x 2.36 x 1.00	17.7	Sleeve	110	1.8	UL/CSA/VDE	26.5	5"	5.95	5.36	4.82	4.34
279646CB	Toyo	T602512H	12	2.36 x 2.36 x 1.00	18.1	Ball	140	1.7	UL/CUL/TUV/CE	34	12"	5.89	5.30	4.24	3.18
102947CB	Jamicon	JF0625S1H	12	2.36 x 2.36 x 1.00	20.5	Sleeve	230	2.7	UL/CSA/TUV	30.5	11"	6.49	5.84	4.67	3.50
150421CB	Jamicon ⊕	JF0625B1H	12	2.36 x 2.36 x 1.00	20.5	Ball	230	2.7	UL/CSA/TUV	30.5	10"	6.95	6.26	5.00	4.29
195910CB	Sunon ⊕	KD1206PTS1	12	2.36 x 2.36 x 1.00	21.7	Sleeve	190	2.3	UL/CSA/TUV	34	12"	6.49	5.84	5.26	4.73
395508CB	Sanyo	109R0612S402	12	2.36 x 2.36 x 1.00	23	Ball	170	2.04	UL/CSA/TUV	33	6"	5.95	5.49	5.41	5.32
400881CB	Comair Rotron	CR0612HB-A70GL	12	2.36 x 2.36 x 1.00	23.2	Ball	230	2.76	UL/CSA/TUV	23.2	12"	6.65	6.15	5.84	5.27

[1] **213428CB:** ATX PC type

[2] **249375CB:** Speed sensor

DC Brushless Fans continued on pages 187 and 188

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.


234894CB


102955CB

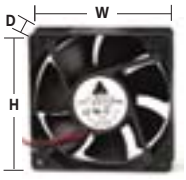
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- Ball and sleeve bearings
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- Low power consumption
- Low acoustical noise rating

SALE

Quantity SAVE


227900CB



163619CB

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
401269CB	Delta	AFB0812LB	12	3.15 x 3.15 x 0.60	24.7	Ball	140	1.68	UL/CSA/TUV	27.5	10"	$9.35	$6.81	$6.40	$6.08
109081CB	Adda ⊕	AD0812HS-D71	12	3.15 x 3.15 x 0.60	29	Sleeve	190	2.3	UL/CSA/TUV/CE	31.4	12"	9.95	8.99	8.09	7.25
141920CB	Adda ⊕	AD0812HB-C70	12	3.15 x 3.15 x 0.80	27.3	Ball	240	2.9	UL/CSA/CE	34	12"	6.35	5.95	5.75	5.55
16993CB	Various ⊕	FAN7315SL[1]*	12	3.15 x 3.15 x 1.00	25-40*	Sleeve	120-200*	1-2*	UL/CSA*	25*	4-12"*	6.95	6.26	5.00	3.75
75361CB	Various	FAN6315BL*	12	3.15 x 3.15 x 1.00	25-40*	Ball	120-200*	1-2*	UL/CSA*	25*	4-12"*	5.95	5.36	4.28	3.21
234894CB	Adda ⊕	AD0812LB-A70GL	12	3.15 x 3.15 x 1.00	27.6	Ball	120	1.44	UL/CSA/TUV/CE	22.5	11.5	8.19	6.39	5.89	5.49
286926CB	Toyo	USTF802512MW	12	3.15 x 3.15 x 1.00	29	Ball	180	2.16	UL/CSA/CE/VDE	24.8	4.5"	6.99	6.29	5.66	5.09
154288CB	Sunon	KDE1208PTS3-6	12	3.15 x 3.15 x 1.00	29.4	Sleeve	120	1.4	UL/CSA/TUV/CE	24.5	5.5"	4.55	4.09	3.69	3.06
195952CB	Panasonic	FMB-08A12M	12	3.15 x 3.15 x 1.00	30	Sleeve	124	1.5	UL/CSA	28	11"	4.55	4.10	3.28	2.46
123529CB	Adda	AD0812MS-A70GL	12	3.15 x 3.15 x 1.00	32	Sleeve	150	1.8	UL/CSA/TUV	28.3	12"	6.95	6.26	5.00	3.75
265578CB	Yate Loon	D80SH-12	12	3.15 x 3.15 x 1.00	33	Ball	190	2.28	UL/CUL/TUV/CE	35	5" ~~$7.29~~	5.29	5.18	5.07	4.96
166959CB	NMB (Smart Fan)	3110NL-012Q340-00[†]	12	3.15 x 3.15 x 1.00	35	Ball	290	3.5	UL/CSA	35	2" ~~$8.95~~	3.49	3.16	2.88	2.61
191599CB	NMB	3110KL-04W-B50	12	3.15 x 3.15 x 1.00	39	Ball	230	2.7	CSA	34	10"	7.49	6.74	5.39	4.04
185834CB	Panaflo	FBM08A12H	12	3.15 x 3.15 x 1.00	39.6	Sleeve	220	2.1	None	32	11"	6.15	5.54	4.98	4.48
206181CB	Sunon	KDE1208PTS1-6	12	3.15 x 3.15 x 1.00	42	Sleeve	220	2.6	UL/CSA/TUV/CE	34	9"	5.95	5.39	4.85	4.35
355400CB	ReliaPro ⊕	JR-DCF128025B1	12	3.15 x 3.15 x 1.00	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	11.5"	7.05	5.10	4.80	4.56
102955CB	Sunon ⊕	KD1208PTB1	12	3.15 x 3.15 x 1.00	42.5	Ball	220	2.6	UL/CSA/TUV/CE	33.5	12"	6.49	5.85	5.29	4.75
249148CB	Sunon	KDE1208PTB1-6	12	3.15 x 3.15 x 1.00	42.5	Ball	220	2.6	None	33.5	12"	6.49	5.85	5.29	4.75
172460CB	Nidec	TA300DCM33406-68[2]	12	3.15 x 3.15 x 1.00	43	Ball	290	3.5	UL/CSA	41	11"/3 leads	9.95	8.99	8.09	7.28
189755CB	Cheng	CHA8012DB	12	3.15 x 3.15 x 1.00	44.3	Ball	300	3.6	UL	37	2" w/ conn.	5.49	4.94	3.95	2.96
323897CB	Mechatronics	F8025E12B1[3]	12	3.15 x 3.15 x 1.00	46	Ball	240	2.88	UL/CUL/TUV	32	3"/3 leads	6.99	5.09	4.79	4.45
75441CB	Common Wealth ⊕	FP108BDC12VS1	12	3.63 x 3.63 x 1.00	45	Sleeve	320	3.1	UL/CSA/TUV	32	10"	3.79	3.39	3.05	2.75
421526CB	Panasonic	FBA08A12U-1AZ	12	3.15 x 3.15 x 1.00	47	Sleeve	360	4.32	UL/CSA	38.2	11"	6.69	5.80	5.21	4.70
196023CB	Jamicon	FJ0925B1M	12	3.63 x 3.63 x 1.00	45.4	Ball	200	2.4	UL/CSA/TUV	34	10"	5.49	5.22	4.95	4.71
154641CB	Nidec	TA350DC-M33422-16	12	3.63 x 3.63 x 1.00	48	Ball	290	3.5	UL/CSA	43	12"	7.55	6.80	5.44	4.08
190983CB	Sunon ⊕	KD1209PTB1-6A	12	3.63 x 3.63 x 1.00	51	Ball	220	2.6	UL/CSA/TUV	34	12"	7.25	6.52	5.22	3.92
162739CB	NMB (Smart Fan)	3610KL-04W-B56[†]	12	3.63 x 3.63 x 1.00	55	Ball	430	3.8	UL/CSA/VDE/CE	37	10"/3 leads	7.95	7.16	6.44	5.80
102963CB	Nidec	TA350DC-M33503-55	12	3.63 x 3.63 x 1.00	56	Ball	400	4.8	UL/CSA	45	8"	7.95	7.16	5.72	4.29
319193CB	Pabst	3312-177	12	3.63 x 3.63 x 1.26	54.7	Ball	290	3.5	UL/CSA/CE/VDE	43	12"	7.95	7.16	5.72	4.29
174140CB	Common Wealth	FP108MS3	12	4.68 x 4.68 x 1.00	54	Sleeve	140	1.7	UL/CSA/TUV/CE	25	12"	6.95	6.26	5.00	3.75
227900CB	Common Wealth ⊕	FP-108M-S1-B	12	4.68 x 4.68 x 1.00	80	Ball	330	4.0	UL/CSA/VDE/CE	42	12"	10.95	9.85	8.89	7.99
363848CB	Mechatronics	E1225H12B	12	4.68 x 4.68 x 1.00	82	Ball	385	4.62	UL/CUL/TUV	40	3.5"	16.09	14.48	11.58	8.69
174924CB	Globe Motors	D47-B10A-04T3-000	12	4.68 x 4.68 x 1.00	90	Ball	740	6.8	UL/CSA	39	Terminals	6.95	6.29	5.05	3.79
163619CB	NMB (Smart Fan)	4710NL012P535P0[†]	12	4.68 x 4.68 x 1.00	90	Ball	740	8.9	None	38.5	12"	4.95	4.46	3.56	2.67
159020CB	Sunon ⊕	KDE1212PMS1-6A	12	4.68 x 4.68 x 1.50	107	Sleeve	570	6.8	UL/CSA/TUV	41	12"	10.95	9.86	7.88	5.91
94625CB	Sunon ⊕	KD1212PMB1-6A	12	4.68 x 4.68 x 1.50	108	Ball	570	6.8	UL/CSA/TUV/CE	42	12"	11.95	10.76	9.68	8.06
285966CB	Delta	AFB1212VHE	12	4.68 x 4.68 x 1.50	130	Ball	900	10.8	UL/CSA/VDE/CE	48	6"	14.95	13.45	10.75	8.09
355565CB	Panaflo	FBA12G12U	12	4.68 x 4.68 x 1.50	114.7	Sleeve	650	7.8	UL/CSA	45.5	9.5" w/ conn.	12.95	11.66	10.40	7.80
206201CB	Sunon ⊕	KDE2404PKB3	24	1.60 x 1.60 x 0.80	6	Ball	30	0.7	UL/CSA/TUV/CE	24	12"	7.49	6.79	6.09	5.49
100909CB	Sunon ⊕	KD2404PKS2	24	1.60 x 1.60 x 0.80	6.5	Sleeve	50	1.2	UL/CSA/TUV/CE	25.5	12"	7.95	7.16	6.44	5.36
421518CB	Panasonic	FBA06T24H	24	2.36 x 2.36 x 0.60	16.6	Sleeve	110	1.99	UL/CSA	32	11"	8.09	7.03	6.31	5.70
140661CB	NMB	2408NL-05W-B60	24	2.36 x 2.36 x 0.80	18.4	Ball	100	2.4	None	31	2"	5.95	5.36	4.28	3.21
174107CB	Jamicon	JF0625S2M	24	2.36 x 2.36 x 1.00	18	Sleeve	130	3.1	UL/TUV	28.5	10"	5.79	5.21	4.69	4.22
189860CB	Jamicon ⊕	JF0625B2M	24	2.36 x 2.36 x 1.00	18	Ball	130	3.1	UL/CSA/TUV/CE	28.5	10"	8.95	8.06	7.25	6.52
227248CB	Mechatronics	F6025E24B	24	2.36 x 2.36 x 1.00	24	Ball	125	3.0	UL/CUL/TUV	36	12"	7.95	7.15	5.75	4.29

[1] **16993CB:** Replacement for the PC/XT computer power supply fan
[2] **172460CB:** Locked rotor alarm
[3] **323897CB:** Speed sensor
[†] Temperature control: **166959CB** (40˚C); **162739CB** (50˚C, 3 leads); **163619CB** (35˚C)
* Manufacturer & specifications may vary

DC Brushless Fans continued on page 188

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DC Brushless Fans and Blowers *(Continued)*

RoHS RoHS Compliant Product ⊕ RoHS Also Available

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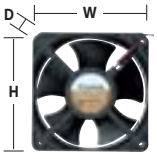

290028CB


249287CB

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- Low profile
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- Power input by lead wires or terminals
- PBT black thermo plastic frame and impeller
- Agency approved
- Low power consumption
- Low acoustical noise rating

Quantity SAVE



153411CB


213567CB

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
290028CB	Jamicon	JF0825B2M	24	3.15 x 3.15 x 1.00	31.7	Ball	130	3.1	UL/CUL/TUV/CE	29.3	10"	$8.25	$7.42	$5.94	$4.46
136160CB	Jamicon ⊕	JF0825B2H	24	3.15 x 3.15 x 1.00	39.2	Ball	150	3.6	UL/CSA/TUV	31	12"	9.49	8.55	7.69	6.95
189878CB	Sunon ⊕	KD2408PTB1-6A	24	3.15 x 3.15 x 1.00	42.5	Ball	220	2.6	UL/CSA/TUV/CE	36.5	12"	9.95	8.99	8.05	6.75
189886CB	NMB	3610KL-05W-B30	24	3.63 x 3.63 x 1.00	40.6	Ball	87	2.1	UL/CSA/VDE	34	12"	7.95	7.16	5.72	4.29
174094CB	Jamicon	JF0925S2H	24	3.63 x 3.63 x 1.00	52	Sleeve	190	4.6	UL/CUL	37	10"	6.95	6.26	5.63	5.07
421534CB	Panasonic	FBA09A25M	24	3.63 x 3.63 x 1.06	48	Sleeve	100	2.64	UL/CSA	30	10"	6.69	5.80	5.21	4.70
175281CB	Globe Motors	D47B10A05W2000	24	4.68 x 4.68 x 1.00	70	Ball	160	2.9	UL/CSA/TUV/CE	34	12"	12.95	11.66	10.49	9.44
249287CB	Jamicon	JF1225B2H5	24	4.68 x 4.68 x 1.00	83	Ball	500	12	None	41.1	7.5"	12.39	11.15	8.92	6.69
421622CB	Sunon	KDE2412PMS1-6A	24	4.68 x 4.68 x 1.50	107	Sleeve	160	6.7	UL/CSA/TUV/CE	41	12"	11.45	9.31	8.52	7.84
100968CB	Sunon ⊕	KDE2412PMB3-6A	24	4.68 x 4.68 x 1.50	83	Ball	140	3.4	UL/CSA/TUV/CE	35	12"	12.95	11.69	10.49	9.39
153411CB	Sunon ⊕	KD2412PMB2-6A	24	4.68 x 4.68 x 1.50	98	Ball	230	5.5	UL/CSA/TUV	36.5	12"	11.95	10.79	9.69	8.75
320021CB	Papst ⊕	W2G115-AE31-01	24	5.00 x 5.00 x 1.50	130	Ball	475	5.7	UL/CSA/VDE	48	10.5"	33.45	30.11	24.08	18.06

DC Brushless Blowers

NEW

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
422801CB	Sunon	GB1205PKV1-8AY	12	2.00 x 2.00 x 0.80	5.7	Vapo	120	1.44	UL/CSA/CE/TUV	35	12" leads	$12.39	$9.97	$9.36	$8.83
644842CB	Evercool	EC7530M12C-B	12	2.83 x 3.00 x 1.16	10.8	Ball	170	2.04	UL/CUL/CE/TUV	30	14" w/ conn.	15.55	10.93	10.27	9.68
614951CB	Delta	BFB0721H	12	2.98 x 2.98 x 1.20	11.3	Ball	60	0.72	UL/CSA/VDE/CE	38	12" leads	11.79	8.35	7.79	7.19
644893CB	Evercool	EC9733M12C-B	12	3.83 x 3.64 x 1.27	2.4	Ball	200	19.42	CE	30	14" w/ conn.	20.15	14.16	13.30	12.55
645028CB	Evercool	EC9733H12C-B	12	3.83 x 3.64 x 1.27	23.6	Ball	260	3.12	CE	33	14" w/ conn.	20.15	14.16	13.30	12.55
213567CB	Nidec	A34124-33	12	3.83 x 3.72 x 1.30	25	Ball	650	7.8	UL/CUL	60	11.5"/3 leads	~~$19.95~~ 16.95	15.29	12.20	9.15

Fans

AC Tube Axial Fans



213866CB


146077CB

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- Air flow from 11 to 226 CFM

Fan Power Cords on Next Page

SALE


303394CB


303466CB

Part Number	Manufacturer	Product Number	Voltage (VAC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
213866CB	Fulltech ⊕	UF60D11BWH	115	2.36 x 2.36 x 1.18	10.2	Ball	35	4	UL/CUL/VDE/CE	28	12" leads	$15.95	$14.39	$12.95	$11.65
162704CB	Toyo	USTF60301153W	115	2.36 x 2.36 x 1.18	11	Ball	38	4	UL/CSA/CE	29	12" leads	15.49	13.95	12.55	11.64
146077CB	Common Wealth ⊕	FP108AX-S1-B	115	3.15 x 3.15 x 1.00	23	Ball	140	14	UL/CE	29	12" leads	12.95	11.69	10.49	9.45
300556CB	Fulltech ⊕	UF80B11SWH	115	3.15 x 3.15 x 1.00	24	Sleeve	140	14	UL/CUL/TUV/CE	35	12" leads	9.19	8.25	7.98	7.70
300257CB	Fulltech ⊕	UF80B11BTH	115	3.15 x 3.15 x 1.00	24	Ball	140	14	UL/CUL/TUV/CE	35	Terminals	10.19	9.18	8.87	8.57
300581CB	Fulltech ⊕	UF80A11SWL	115	3.15 x 3.15 x 1.50	25	Sleeve	110	12	UL/CUL/TUV/CE	32	12" leads	9.59	8.64	8.35	8.06
300302CB	Fulltech ⊕	UF80A11BWL	115	3.15 x 3.15 x 1.50	25	Ball	110	11	UL/CUL/TUV/CE	32	12" leads	10.55	9.50	9.19	8.87
300329CB	Fulltech ⊕	UF80A11BTL	115	3.15 x 3.15 x 1.50	25	Ball	110	12	UL/CUL/TUV/CE	32	Terminals	10.55	9.50	9.19	8.87
300599CB	Fulltech ⊕	UF80A11BWH	115	3.15 x 3.15 x 1.50	29	Ball	120	12	UL/CUL/TUV/CE	36	12" leads	11.39	10.26	9.59	9.09
300388CB	Fulltech ⊕	UF80A11BTH	115	3.15 x 3.15 x 1.50	30	Ball	120	12	UL/CUL/TUV/CE	36	Terminals	11.39	10.26	9.58	9.10
297932CB	Fulltech ⊕	UF80A11SWH	115	3.15 x 3.15 x 1.50	30	Sleeve	120	12	UL/CUL/TUV/CE	36	12" leads	10.19	9.18	8.99	8.57
303386CB	Fulltech ⊕	UF80A11STH	115	3.15 x 3.15 x 1.50	30	Sleeve	120	12	UL/CUL/TUV/CE	36	Terminals	~~$10.19~~ 9.19	8.25	7.98	7.69
303394CB	Fulltech	UF80A11STL	115	3.15 x 3.15 x 1.50	25	Sleeve	100	11.5	UL/CUL/TUV/CE	32	Terminals	~~$10.19~~ 9.19	8.25	7.89	7.69
75459CB	Sunon ⊕	SF11592A-1092HBT	115	3.63 x 3.63 x 1.00	37	Ball	110	12	UL/CSA/TUV/CE	40	Terminals	15.95	14.39	12.95	11.65
75432CB	Sunon ⊕	SF11592A-1092HSL	115	3.63 x 3.63 x 1.00	36	Sleeve	130	12	UL/CSA/TUV/CE	39	12" leads	13.55	12.19	10.99	9.85
303466CB	Sunon ⊕	SF11592A-1092HBL	115	3.63 x 3.63 x 1.00	37	Ball	110	12	UL/CSA/TUV/CE	40	12" leads	15.95	14.39	12.95	11.65

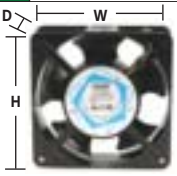


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212599CB



275792CB

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- Low acoustical noise rating
- Agency approved fans
- Ball and sleeve bearings
- Air flow from 11 to 226 CFM

Fan Power Cords Below


206308CB


209365CB

Part Number	Manufacturer	Product Number	Voltage (VAC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing 1	10	50	100
124062CB	Sunon ⊕	SP101AT1122HBT	115	4.68 x 4.68 x 1.00	78	Ball	180	18	CSA/TUV/CE	46	Terminals	$13.49	$10.95	$9.89	$9.19
303407CB	Sunon ⊕	SP100A-1123XBL	115	4.68 x 4.68 x 1.50	117	Ball	240	20	UL/CSA/TUV/CE	47	12" leads	14.95	13.95	12.95	11.95
303415CB	Common Wealth ⊕	FP108-1-S1-B/W	115	4.68 x 4.68 x 1.50	105	Ball	200	17	UL/CSA/TUV/CE	47	12" leads	16.95	15.29	13.75	12.39
303482CB	Fulltech ⊕	UF12A11SWL	115	4.68 x 4.68 x 1.50	81	Sleeve	150	15	UL/CSA/TUV/CE	15	12" leads	12.85	11.54	10.77	10.23
303440CB	Fulltech	UF12A11BWL1	115	4.68 x 4.68 x 1.50	64	Ball	80	115	UL/CSA/TUV/CE	37	12" leads	~~$14.95~~ 13.45	12.15	10.95	9.85
303360CB	Fulltech ⊕	UF12A11BTL1	115	4.68 x 4.68 x 1.50	64	Ball	80	15	UL/CUL/TUV/CE	37	Terminals	12.85	11.54	10.76	10.23
300791CB	Fulltech ⊕	UF12A11STL	115	4.68 x 4.68 x 1.50	81	Sleeve	150	15	UL/CUL/TUV/CE	38	Terminals	10.95	9.84	9.51	9.19
111894CB	Common Wealth ⊕	FP108-1-S1/W	115	4.68 x 4.68 x 1.50	105	Sleeve	180	17	UL/CSA/CE	47	12" leads	14.75	13.19	11.95	10.79
106585CB	Common Wealth ⊕	FP108-1-S1/T	115	4.68 x 4.68 x 1.50	105	Sleeve	180	12	UL/CSA/CE	47	Terminals	15.95	14.39	12.95	11.65
16934CB	Common Wealth ⊕	FP108-1-S1-B	115	4.68 x 4.68 x 1.50	105	Ball	200	17	UL/CSA/TUV/CE	47	Terminals	16.95	15.29	13.75	12.39
212599CB	Fulltech ⊕	UF12A11BWH	115	4.68 x 4.68 x 1.50	106	Ball	190	15	UL/CUL/TUV/CE	46	12" leads	12.95	11.95	10.95	9.95
275792CB	Sunon✪	SP101A-123HBT	115	4.68 x 4.68 x 1.50	107	Ball	180	18	UL/CSA/TUV/CE	50	Terminals	12.85	11.56	10.41	9.37
206308CB	Adda	AA1281UB-AT	115	4.68 x 4.68 x 1.50	107	Ball	230	24	UL/CUL/CE	48	Terminals	14.95	13.46	10.76	8.07
102883CB	Sunon ⊕	SP100A-1123XBT	115	4.68 x 4.68 x 1.50	117	Ball	240	20	UL/CUL/TUV/CE	50	Terminals	14.95	13.95	12.95	11.95
108724CB	Fulltech ⊕	UF15AC11BTH	115	6.75 x 5.90 x 1.50	211	Ball	230	28	UL/CUL/TUV/CE	58	Terminals	27.95	25.16	20.12	17.91
212581CB	Fulltech ⊕	UF15PC11BWH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	UL/CUL/TUV/CE	58	12" leads	25.65	23.09	20.68	19.65
189683CB	Fulltech ⊕	UF15PC11BTH	115	6.75 x 5.90 x 2.00	226	Ball	250	30	CSA	58	Terminals	29.95	26.96	21.56	19.15
355629CB	Fulltech ⊕	UF-80A23-BTH	220	3.15 x 3.15 x 1.50	30	Ball	60	12	UL/CSA/VDE/CE	36	Terminals	11.39	10.26	9.75	9.26
100917CB	Sunon ⊕	SF23080A/2083HSL	220	3.15 x 3.15 x 1.50	30	Sleeve	60	13.5	UL/CSA/TUV/CE	35	12" leads	10.49	8.39	7.55	6.40
209365CB	Bi-Sonic ⊕	4C-230LB	220	4.68 x 4.68 x 1.50	63	Ball	60	9	TUV/CE	34	10" leads	12.95	11.66	9.32	8.01
302244CB	Rotron	28023	220	4.68 x 4.68 x 1.50	88	Ball	130	28.6	UL/CSA	50.7	Terminals	~~$18.95~~ 17.19	15.49	12.38	9.29
303458CB	Sunon ⊕	DP200A-2123XBL	220	4.68 x 4.68 x 1.50	117	Ball	120	21	UL/CSA/TUV/CE	50	12" leads	15.95	14.39	12.95	11.65
102891CB	Sunon ⊕	DP200A-2123XBT	220	4.68 x 4.68 x 1.50	117	Ball	120	21	UL/CSA/TUV/CE	50	Terminals	15.95	14.39	12.95	11.65

✪ Blue P/N = Limited Quantity Available

Fan Guards, Filters and Power Cords


123502CB


120037CB


31923CB/123511CB


25734CB


138561CB/196816CB


229665CB


138579CB/130104CB

Compatible with DC and AC Fans – pages 186 - 189

- All guards and filters fit all fans by matching the size dimension. Example: P/N 300556CB fan (3.15") matches P/N 31923CB metal guard (3.15").

Part No.	Description♦	Lower $$$	1	10	100	250
123502CB	1.60" metal (chrome) guard ⊕		$.49	$.43	$.39	$.35
120037CB	2.36" metal (chrome) guard ⊕		.79	.71	.64	.58
31923CB	3.15" metal (chrome) guard ⊕		.79	.65	.52	.46
123511CB	3.63" metal (chrome) guard ⊕		.99	.78	.67	.61
25734CB	4.68" metal (chrome) guard ⊕		1.09	.98	.88	.79

♦ Size conversion chart – above

Part No.	Description♦	1	10	100	250
138561CB	3.15" plastic guard with mesh ⊕	$1.39	$1.25	$1.15	$.95
229665CB	3.63" plastic guard with mesh ⊕	1.75	1.55	1.25	.95
196816CB	4.68" plastic guard with mesh ⊕	1.95	1.55	1.39	1.25
138579CB	3.15" alum. washable filter ⊕	2.95	2.66	2.12	1.59
130104CB	4.68" alum. washable filter ⊕	3.49	3.19	2.75	2.49

♦ Size conversion chart – above

Fan Power Cords: 24" Straight and Right-Angle

• Cord type: SPT-1 (2) conductor black • Voltage rating: 300V • Temperature range: 60°C • Fits all terminal fans

Part No.	Description	Length	SALE	1	10	100	250
28564CB	Straight socket cord ⊕	24"		$.99	$.88	$.70	$.62
104192CB	90˚ angle socket cord ⊕	24"	SALE	.99	.88	.71	.70


28564CB


104192CB



For Heat Sinks
see page 46.





Fans For Heat Sinks
see page 236.



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

30-Watt Open Frame, Low Leakage

MPS-30 Series: Single Output



- 100% full load burn-in test
- Universal AC input
- High-efficiency, low heat generation
- -10˚C to + 50˚C working temperature
- See www.Jameco.com for specs.
- Load regulation: ±1.0%
- Line regulation: ±0.5%, except 220986CB: ±1.0%
- Inrush current: 35A @ 120VAC
- Leakage current: 0.3mA @ 240V
- Three-year warranty
- Size: 4.0"L x 2.59"W x 0.98"H
- Isolation voltage: 4000VAC
- Mounting holes: 3.74"L x 2.02"W x 0.12"Dia.
- 2.9 watts/in³ maximum
- Mating connectors: P/Ns 104723CB & 104432CB, pg 125
- Weight: 0.3 lbs.

The Mean Well MPS-30 medical power supplies are low cost, high reliability open frame power supplies that feature a low leakage current of 0.3mA@240VAC. Other features of this open frame power supply are: universal input of 88-264VAC as well as 120-370VDC for battery-supported applications. Protections include short-circuit, overload, and over-voltage. They are UL and TUV approved, and carry a CE mark for use worldwide.

110-Watt Open Frame, Low Leakage

NFS110-79xxP Series: Quad Outputs



- 100% full-load burn-in
- 110W with 20 CFM of air
- Leakage current: 0.1mA @ 240V
- Size: 7.0"L x 4.25"W x 1.8"H
- Inrush current: 17A @ 120VAC
- Two-year warranty
- Universal AC input
- 2.1 watts/in³ maximum
- Voltage adjustment: 3%
- Isolation voltage: 4000VAC
- Line regulation: ±0.1%
- Weight: 1.3 lbs.
- Mounting holes: 6.6"L x 3.75"W x 0.156"Dia.
- Mating connectors: P/Ns 104723CB, 104766CB & 104432CB, pg 125
- 0˚C to +70˚C working temperature
- See www.Jameco.com for specs.

The NFS110-79xxP models have proven to be highly reliable and versatile for a wide range of communication and industrial applications, with a very high peak current capability on each output for drive and motor applications. These models have full medical safety approval to EN60601 and UL2601, and meet conducted emissions requirements of EN55022 level A. They are designed for use in low power medical, dental and laboratory applications.

Medical Table-Top Power Supplies & Wall Adapters on Page 212

45 & 65-Watt Open Frame, Low Leakage

MPS-45 & MPS-65 Series: Single Output



- 100% full load burn-in test
- Universal AC input
- High-efficiency, low heat generation
- Isolation voltage: 4000VAC
- 2.9 watts/in³ max.
- Voltage adjustment: 10%
- -10˚C to + 60˚C working temperature
- See www.Jameco.com for specs.
- Leakage current: 0.3mA @ 240V
- Inrush current: 20A @ 120VAC
- Line regulation: ±1.0%
- Load regulation: ±2.0%, except 221057CB, 221145CB: ±3.0%
- Soft-start circuit, limiting AC surge current
- Mating connectors: P/Ns 104432CB and 104731CB, pg 125
- Mounting holes: 4.55"L x 2.55"W x 0.14"Dia.
- Three-year warranty
- Weight: 0.6 lbs.
- Size: MPS-45: 5.0"L x 3.0"W x 1.06"H; MPS-65: 5.0"L x 3.0"W x 1.65"H

The MeanWell MPS-45 & MPS-65 medical power supplies are low cost, high reliability open frame power supplies. Other features of these power supplies are: universal input of 88-264VAC, as well as 120-370VDC for battery-applications. Full rated power is available with 18CFM forced air convection applied. Protections include short-circuit, overload, and over-voltage.

For Complete Specifications visit www.Jameco.com.

SALE

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10	Pricing 25
220986CB	Mean Well ⊕	MPS-30-12	+12V@0-2.5A	30.0W	88-264@47-63	120	UL/CUL/TUV/CE	$33.95	$30.56	$27.50
221006CB	Mean Well ⊕	MPS-30-24	+24V@0-1.2A	28.8W	88-264@47-63	240	UL/CUL/TUV/CE	33.95	30.56	27.50
221057CB	Mean Well ⊕	MPS-45-7.5	+7.5V@0-5.4A	40.5W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	31.46	27.79
221065CB	Mean Well ⊕	MPS-45-12	+12V@0-3.7A	44.4W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	31.46	28.31
221081CB	Mean Well ⊕	MPS-45-15	+15V@0-3A	45.0W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	29.71	22.28
221090CB	Mean Well ⊕	MPS-45-24	+24V@0-1.9A	45.6W	90-264@47-440	100	UL/CUL/TUV/CE	$34.95 22.25	20.25	18.39
221111CB	Mean Well ⊕	MPS-45-48	+48V@0-1A	48.0W	90-264@47-440	100	UL/CUL/TUV/CE	34.95	31.46	28.31
221145CB	Mean Well ⊕	MPS-65-7.5	+7.5V@0-8A	60.0W	90-264@47-440	100	UL/CUL/TUV/CE	35.95	32.36	29.12
221153CB	Mean Well ⊕	MPS-65-12	+12V@0-5.2A	62.4W	90-264@47-440	100	UL/CUL/TUV/CE	35.95	32.36	29.12
221161CB	Mean Well ⊕	MPS-65-13.5	+13.5V@0-4.7A	63.5W	90-264@47-440	100	UL/CUL/TUV/CE	33.95	29.59	25.75
221188CB	Mean Well ⊕	MPS-65-24	+24V@0-2.7A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	35.95	30.56	22.92
221209CB	Mean Well ⊕	MPS-65-48	+48V@0-1.35A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	$35.95 29.95	26.95	24.29
220222CB	Artesyn	NFS110-7901P✪	+5.1V@0-8; +12V@0-4.5A; -5V@0-0.5A; -12V@0-0.5A	110W	90-253@47-440	50	UL/CSA/VDE/CE	91.75	83.39	75.79

Call for special versions and large quantities

* Primary Output ✪ Blue Part No. = Limited Quantity Available

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



We're Listening to Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

Ultraminiature 5 to 20-Watt Power Supplies

- Working temp.: -10 to 60°C
- UL/CUL/TUV/CE
- High reliability, low-cost
- Free air cooling convection
- Universal AC input/full range
- Short circuit/overload/over-voltage/over-temperature protection
- 100% full burn-in test
- Fixed switching frequency @ 100kHz
- Two year warranty

SALE



5-Watt OFM-5000 Series

- Size: 2.28"L x 1.77"W x 0.83"H
- Inrush current: 20A @ 115VAC
- Pin-mount



10-Watt OFM-0100 Series

- Size: 2.56"W x 1.77"L x 0.83"H
- Inrush current: 25A @ 115VAC
- Pin-mount



15-Watt OFM-1500 Series

- Size: 2.76"L x 1.89"W x 0.83"H
- Inrush current: 25A @ 115VAC
- Pin-mount



20-Watt OFM-0200 Series

- Size: 3.50"L x 2.00"W x 0.78"H
- Inrush current: 25A@115VAC
- Chassis mount

SALE Quantity SAVE

Jameco Part No.	Cross Ref. Number	Output Voltage@Current (min-max)	Output Power	Load Regulation	Line Regulation	Ripple & Noise (mV p-p)	Pricing 1	Pricing 10	Pricing 25
300281CB	OFM-5001 ⊕	+5V@0-1A	5W	±2%	±0.5%	50	$30.39	$28.50	$27.08
300409CB	OFM-5002	+12V@0-0.42A	5W	±1%	±0.3%	150	~~$30.39~~ 27.35	25.65	24.35
300417CB	OFM-5003 ⊕	+15V@0-0.33A	5W	±1%	±0.3%	150	30.39	25.85	19.39
300425CB	OFM-5005	+24V@0-0.23A	5W	±0.5%	±0.2%	240	~~$30.39~~ 27.35	25.65	24.35
300433CB	OFM-0101 ⊕	+5V@0-2A	10W	±2%	±0.5%	50	~~$36.09~~ 32.45	30.75	29.19
300441CB	OFM-0102	+12V@0-0.85A	10W	±1%	±0.3%	180	~~$36.09~~ 30.69	29.09	27.65
300450CB	OFM-0103 ⊕	+15V@0-0.67A	10W	±1%	±0.3%	180	~~$36.09~~ 30.69	29.09	27.65
300468CB	OFM-0105✪	+24V@0-0.42A	10W	±0.5%	±0.2%	240	~~$36.09~~ 30.69	29.09	27.65
300476CB	OFM-1501 ⊕	+5V@0-3A	15W	±2%	±0.5%	60	~~$40.85~~ 36.79	34.19	32.49
300484CB	OFM-1502 ⊕	+12V@0-1.25A	15W	±1%	±0.3%	150	40.85	34.75	26.05
300492CB	OFM-1503 ⊕	+15V@0-1.0A	15W	±1%	±0.3%	150	~~$40.85~~ 36.79	34.19	32.49
300505CB	OFM-1505 ⊕	+24V@0-0.63A	15W	±0.5%	±0.2%	240	~~$40.85~~ 36.79	34.19	32.49
300513CB	OFM-0201 ⊕	+5V@0-4.4A	20W	±2%	±0.5%	50	~~$43.69~~ 39.35	36.79	34.95
300521CB	OFM-0202 ⊕	+12V@0-1.8A	20W	±1%	±0.3%	150	43.69	40.85	38.81
300530CB	OFM-0203 ⊕	+15V@0-1.4A	20W	±1%	±0.3%	150	43.69	37.15	27.85
300548CB	OFM-0205 ⊕	+24V@0-0.92A	20W	±0.5%	±0.2%	240	43.69	40.85	38.81

✪ Blue P/N = Limited Quantity Available

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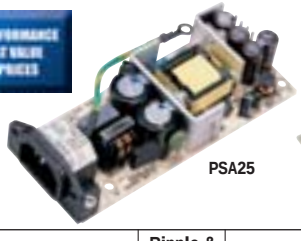
Power

15 & 25-Watt Open Frame

Enclosed Power Supplies on pages 196-203.

PSA15 & PSA25 Series: Single & Triple Outputs

- Load regulation: ±2.0%
- Isolation voltage: 3,000 VAC
- Inrush current: 30A @ 120VAC
- Universal input
- Line regulation: ±1.0%
- Voltage adjustment: 5% (PSA15 only)
- Temperature: 0˚ to +40˚C
- One-year warranty
- Size: 4.33"L x 1.57"W x 0.91"H, except 230535CB 3.6"L x 2.5"W x 1.1"H



PSA25



PSA15

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10	Pricing 25
229041CB	Phihong ⊕	PSA15LN3-050	+5V@0-3A	15W	90-264@47-63	50	UL/CUL/TUV/CE	$19.95	$18.95	$18.19
229059CB	Phihong ⊕	PSA15LN3-120	+12V@0-1.25A	15W	90-264@47-63	120	UL/CUL/TUV/CE	19.95	18.95	18.19
230535CB	Phihong ⊕	PSA25L-301	+5V@0.2-2A; +12V@0.1-1A; -12V@0-0.3A	25W	90-264@47-63	50	UL/CUL/TUV/CE	27.15	23.29	21.85

* Primary Output

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost!

25 to 45-Watt Open-Frame Switching AC-to-DC Power Supplies

Color Code Legend: New | Sale | Lower$ | QtySave

25-Watt Open Frame

ARTESYN TECHNOLOGIES

NLP-25 Series: Single & Triple Outputs

- 100% full-load burn-in
- 3.3 watts/in³ maximum
- Load regulation: ±2.0%
- 0˚C to +50˚C working temp.
- See www.Jameco.com for specifications
- Universal AC input
- Line regulation: ±2.0%
- Size: 4.0"L x 2.07"W x 0.91"H
- Two-year warranty



25-Watt Open Frame

MW MEAN WELL — PERFORMANCE AT VALUE PRICES

PS-25 & PD-25 Series: Single & Dual Outputs

- 100% full-load burn-in
- Inrush current: 40A @ 120VAC
- Size: 4.20"L x 2.40"W x 1.10"H
- -10˚C to +60˚C working temp
- Universal AC input
- Two-year warranty
- See www.Jameco.com for specifications



Part Number	Load Reg. (±%)	Line Reg. (±%)	Part Number	Load Reg. (±%)*	Line Reg. (±%)*	Part Number	Load Reg. (±%)*	Line Reg. (±%)*
212361CB	2.5	0.5	216768CB	1.0	0.3	212337CB	1.0	0.5
212353CB	2.0	0.5	212345CB	0.5	0.2	212329CB	1.0	0.5
392825CB	2.0	0.5	392817CB	0.5	0.2	394249CB	4.0	2.0
148603CB	1.0	0.3	212311CB	4.0	1.0	148689CB	3.0	0.5
392809CB	1.0	0.3						

* Primary Output

40-Watt Open Frame

NFS-40 Series: Single & Triple Outputs

- 100% full-load burn-in
- Universal AC input
- 50 watts with 20 CFM of air
- No minimum load required
- Load regulation: ±2.0%
- Line regulation: ±0.2%
- Inrush current: 12A @ 120VAC
- 0˚ to +70˚C working temperature
- See www.Jameco.com for specifications
- Voltage adjustment: 5%
- Mating connectors: P/Ns 104432CB & 104731CB, pg 125
- Size: 5.0"L x 3.0"W x 1.2"H
- Two-year warranty



ARTESYN TECHNOLOGIES

Call for special versions and large quantities

45-Watt Open Frame

PSA45 Series: Single & Triple Outputs

- Load regulation: ±2.0%
- Inrush current: 20A @ 120VAC
- Size: 5.0"L x 3.0"W x 1.2"H
- Line regulation: ±2.0%
- Temperature: 0˚ to +50˚C
- Weight: 0.9 lbs.
- Universal input
- One-year warranty

PHIHONG — PERFORMANCE AT VALUE PRICES



Enclosed Power Supplies on pages 196-203.

For Complete Specifications visit www.Jameco.com.

SALE

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10	Pricing 25
218499CB	Artesyn	NLP25-7624	+24V@0-1.04A	25.0W	90-264@47-440	150	UL/CSA/VDE/CE	$31.15	$28.29	$25.71
218501CB	Artesyn	NLP25-7608	+5V@0.2-2A; +12V@0.1-0.8A; -12V@0-0.1A	20.8W	90-264@47-440	50	UL/CSA/VDE/CE	~~$31.29~~ 29.09	26.45	24.05
212361CB	Mean Well ⊕	PS-25-3.3	+3.3V@0-5A	16.5W	85-264@47-63	80	UL/CUL/TUV/CE	17.95	16.95	16.19
212353CB	Mean Well ⊕	PS-25-5	+5V@0-5A	25.0W	85-264@47-63	80	UL/CUL/TUV/CE	18.95	18.26	17.58
392825CB	Mean Well ⊕	PS-25-7.5	+7.5V@0-3.3A	24.8W	85-264@47-63	80	UL/CUL/TUV/CE	18.95	18.26	17.58
148603CB	Mean Well ⊕	PS-25-12	+12V@0-2.1A	25.2W	85-264@47-63	100	UL/CUL/TUV/CE	18.95	18.26	17.58
392809CB	Mean Well ⊕	PS-25-13.5	+13.5V@0-1.9A	25.7W	85-264@47-63	100	UL/CUL/TUV/CE	18.95	18.26	17.58
216768CB	Mean Well ⊕	PS-25-15	+15V@0-1.7A	25.5W	85-264@47-63	100	UL/CUL/TUV/CE	16.95	16.10	15.30
212345CB	Mean Well ⊕	PS-25-24	+24V@0-1A	24.0W	85-264@47-63	240	UL/CUL/TUV/CE	18.95	18.26	17.58
392817CB	Mean Well ⊕	PS-25-27	+27V@0-0.9A	24.3W	85-264@47-63	240	UL/CUL/TUV/CE	18.95	18.26	17.58
212311CB	Mean Well ⊕	PD-2505	+5V@0.1-3A; -5V@0.1-2.5A	25.0W	85-264@47-63	50	UL/CUL/TUV/CE	19.95	18.95	17.95
212337CB	Mean Well ⊕	PD-25A	+5V@0.2-2.5A; +12V@0.1-1.5A	25.0W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
212329CB	Mean Well ⊕	PD-25B	+5V@0.2-2A; +24V@0.1-1A	25.2W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
394249CB	Mean Well ⊕	PD-2503	+3.3V@0.2-5A; +5V@0.1-4A	24.9W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
148689CB	Mean Well ⊕	PD-2512	+12V@0.1-1.2A; -12V@0.1-1A	24.0W	85-264@47-63	50	UL/CUL/TUV/CE	20.69	19.95	18.31
218510CB	Artesyn	NFS40-7605 ✪	+5.1V@0-6A	30.6W	85-264@47-440	100	UL/CSA/VDE/CE	~~$37.49~~ 34.79	31.65	28.79
218528CB	Artesyn	NFS40-7612 ✪	+12V@0-3.3A	39.6W	85-264@47-440	120	UL/CSA/VDE/CE	~~$37.49~~ 34.79	31.65	28.79
218536CB	Artesyn	NFS40-7624 ✪	+24V@0-1.6A	38.4W	85-264@47-440	240	UL/CSA/VDE/CE	~~$37.49~~ 34.79	31.65	28.79
190086CB	Artesyn ⊕	NFS40-7608	+5V@0-3A; +12V@0-2A; -12V@0-0.35A	43.2W	85-264@47-440	50	UL/CSA/VDE/CE	46.39	41.75	37.55
229075CB	Phihong	PSA45-050	+5V@0-8A	40.0W	90-264@47-63	50	UL/CSA/TUV/CE	22.99	21.83	20.74
229091CB	Phihong ⊕	PSA45-120	+12V@0-4A	48.0W	90-264@47-63	120	UL/CSA/TUV/CE	26.95	25.65	24.35
229112CB	Phihong	PSA45-240	+24V@0-2A	48.0W	90-264@47-63	240	UL/CSA/TUV/CE	22.85	21.69	20.61
229121CB	Phihong ⊕	PSA4531	+5V@0-4A; +12V@0-1.5A; -12V@0-0.5A	44.0W	90-264@47-63	50	UL/CSA/TUV/CE	31.95	28.79	25.89
229139CB	Phihong ⊕	PSA4534	+5V@0-4A; +15V@0-1.2A; -15V@0-0.5A	45.5W	90-264@47-63	50	UL/CSA/TUV/CE	35.59	32.55	29.49

* Primary Output ✪ Blue Part No. = Limited Quantity Available

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
210841CB	Power-One	MAP42-1005	+5V@0-8A	40.0W	120-240@50-60	5.0x3.0x1.3	4.6x2.6x0.16	50	1.0	0.2	UL/CSA/TUV/CE	$17.95	$16.15	$13.75
622539CB	Phihong ⊕	PSA-4034	+5.1V@.5-3A; +15V@.2-2A; -15@0.5A	40.0W	90-264@47-63	5.0x3.0x1.2	4.5x2.6x0.16	50	—	—	UL/CSA/VDE/CE	24.95	22.45	20.25

* Primary Output

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

45 to 65W Open-Frame Switching AC-to-DC Power Supplies

45-Watt Open Frame

PS-45, PD-45 & PT-45 Series: Single, Dual & Triple Outputs

- 100% full-load burn-in
- Universal AC input
- Voltage adjustment: 10%
- Inrush current: 20A @ 120VAC
- Two-year warranty
- Line regulation: ±1.0%
- Load regulation: ±3.0% (except 213727CB/213719CB/374352CB/374361CB: ±2.0%)
- Size: 5.0"L x 3.0"W x 1.06"H
- -10˚C to +60˚C working temperature
- See www.Jameco.com for specifications



50-Watt Open Frame

LPS-50 Series: Single Output

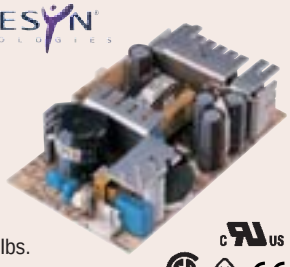
- 100% full burn-in
- Universal AC input
- Power density: 3.32 watts/in³
- Short circuit, overload, over-voltage protection
- Input voltage: 90-264VAC@47-63Hz, 127-370VDC
- LED power indicator
- Voltage adjustment: 10%
- Load regulation: ±2.0% (LPS-50-12); ±1.0% (LPS-50-24)
- Inrush current: 25A @ 115VAC
- Line regulation: ±1.0%
- Working temperature: -20 to +70C
- Built-in remote ON-OFF
- Weight: 0.5 lbs.
- Size: 7.7"L x 2.2"W x 0.9"H
- Two-year warranty
- See www.Jameco.com for specifications



65-Watt Open Frame

NLP65-76 Series: Single & Triple Outputs

- 100% full-load burn-in
- Universal AC input
- 75 watts with 20 CFM of air
- Load regulation: ±2.0%
- Line regulation: ±2.0%
- Inrush current: 17A @ 120VAC
- Two-year warranty
- Size: 5.0"L x 3.0"W x 1.26"H
- Weight: 0.6 lbs.
- 0˚ to +70˚C working temperature
- See www.Jameco.com for specifications



65-Watt Open Frame

PS-65, PD-65 & PT-65 Series: Single, Dual & Triple Outputs

- 100% full-load burn-in
- Universal AC input
- Voltage adjustment: 10%
- Line & load regulation: ±1.0 to ±4.0%
- -10˚C to +60˚C working temperature
- See www.Jameco.com for specifications
- Inrush current: 20A @ 120VAC
- Two-year warranty
- Size: 5.0"L x 3.0"W x 1.65"H
- Weight: 0.6 lbs.



65-Watt Open Frame with Power Factor Correction

NLP65-96 Series: Single & Triple Outputs

- 100% full-load burn-in
- Universal AC input
- Load regulation: ±2.0%
- No minimum load required
- 75 watts with 20 CFM of air
- 0˚ to +70˚C working temperature
- Line regulation: ±2.0%
- Inrush current: 17A @ 120VAC
- Size: 5.0"L x 3.0"W x 1.26"H
- Two-year warranty
- Weight: 0.6 lbs.



Enclosed Power Supplies on pages 196-203.

For Complete Specifications visit www.Jameco.com.

SALE

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10	Pricing 25
217331CB	Mean Well ⊕	PS-45-5	+5V@0-8A	40.0W	90-264@47-440	100	UL/CUL/TUV/CE	$22.95	$19.51	$17.29
213727CB	Mean Well ⊕	PS-45-12	+12V@0-3.7A	44.4W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	21.99	19.85
374352CB	Mean Well ⊕	PS-45-15	+15V@0-3.5A	45.0W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	21.99	19.85
213719CB	Mean Well ⊕	PS-45-24	+24V@0-1.9A	45.6W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	21.99	19.85
374361CB	Mean Well ⊕	PS-45-27	+27V@0-1.95A	45.9W	90-264@47-440	100	UL/CUL/TUV/CE	27.95	21.99	19.85
194861CB	Mean Well ⊕	PD-45A	+5V@0.4-3.2A; +12V@0.2-2	40.0W	90-264@47-440	50	UL/CUL/TUV/CE	24.95	22.46	20.21
194870CB	Mean Well ⊕	PD-45B	+5V@0.4-3.2A; +24V@0.2-1.2A	44.8W	90-264@47-440	50	UL/CUL/TUV/CE	24.95	22.46	20.21
88401CB	Mean Well ⊕	PT-45B	+5V@0.4-3A; +12V@0.2-2A; -12V@0-0.3A	45.0W	90-264@47-440	50	UL/CUL/TUV/CE	29.95	23.09	20.89
252401CB	Mean Well	LPS-50-12	+12V@0-4.2A	50.4W	90-264@47-63	80	UL/CUL/TUV/CE	~~$28.95~~ 24.95	22.49	20.25
252620CB	Mean Well	LPS-50-24	+24V@0-2.1A	50.4W	90-264@47-63	80	UL/CUL/TUV/CE	~~$28.95~~ 24.95	22.49	20.25
218561CB	Artesyn	NLP65-7605 ✪	+5V@0-13A	65.0W	85-264@47-63	50	UL/CUL/CSA/VDE/CE	~~$49.49~~ 45.95	41.79	37.99
218579CB	Artesyn	NLP65-7612	+12V@0-5.4A	64.8W	85-264@47-63	120	UL/CUL/CSA/VDE/CE	~~$52.65~~ 48.99	44.55	40.49
218587CB	Artesyn	NLP65-7608	+5V@0-7.5A; +12V@0-2.5A; -12V@0-0.65A	75.3W	85-264@47-63	50	UL/CUL/CSA/VDE/CE	~~$52.95~~ 49.45	44.95	40.89
201937CB	Mean Well ⊕	PS-65-5	+5V@0-12A	60.0W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
148638CB	Mean Well ⊕	PS-65-12	+12V@0-5.2A	62.4W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
374379CB	Mean Well ⊕	PS-65-13.5	+13.5V@0-5.4A	63.5W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
216750CB	Mean Well ⊕	PS-65-15	+15V@0-4.2A	63.0W	90-264@47-440	100	UL/CUL/TUV/CE	24.95	21.21	15.91
148646CB	Mean Well ⊕	PS-65-24	+24V@0-2.7A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
201945CB	Mean Well ⊕	PS-65-27	+27V@0-2.4A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
201953CB	Mean Well ⊕	PS-65-48	+48V@0-1.35A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	25.29	21.99
194888CB	Mean Well ⊕	PD-65A	+5V@0.4-7A;+12V@0.2-3.2A	61.1W	90-264@47-440	50	UL/CUL/TUV/CE	34.95	26.39	23.09
194896CB	Mean Well ⊕	PD-65B	+5V@0.4-3.5A; +24V@0.2-2A	65.5W	90-264@47-440	50	UL/CUL/TUV/CE	34.95	26.39	23.09
216733CB	Mean Well ⊕	PT-65B	+5V@0.4-5.5A; +12V@0.2-2.5A; -12V@0-0.5A	63.5W	90-264@47-440	50	UL/CUL/TUV/CE	36.95	28.59	25.29
216725CB	Mean Well ⊕	PT-65C	+5V@0.4-5.5A; +15V@0.2-2A; -15V@0-0.5A	65.0W	90-264@47-440	50	UL/CUL/TUV/CE	36.95	28.59	25.29
394222CB	Mean Well ⊕	PT-6503	+3.3V@0-7A; +5V@0.2-10A; +12V@0-1.2A	61.8W	90-264@47-63	50	UL/CUL/TUV/CE	51.35	48.45	45.99
218595CB	Artesyn	NLP65-9612	+12V@0-5.4A	64.8W	85-264@47-63	120	UL/CUL/CSA/VDE/CE	~~$61.49~~ 57.19	51.99	47.29
218616CB	Artesyn	NLP65-9608	+5V@0-7.5A; +12V@0-2.5A; -12V@0-0.65A	75.3W	85-264@47-63	50	UL/CUL/CSA/VDE/CE	61.45	55.87	50.79

Call for special versions and large quantities

* Primary Output ✪ Blue Part No. = Limited Quantity Available

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

65 to 110W Open-Frame Switching AC-to-DC Power Supplies

Color Code Legend: New | Sale | Lower$ | QtySave

75-Watt Open Frame

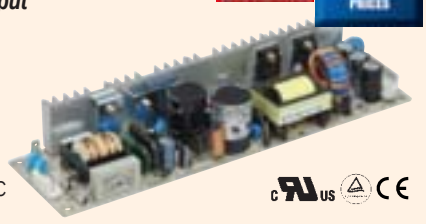
LPS-75 Series: Single Outputs



- 100% full-load burn-in
- Universal AC input
- Built-in remote ON/OFF
- Line regulation: ±1.0%
- Load regulation: (244718CB) ±1.0%; (244726CB) ±2.0%
- Voltage adjustment: 10%
- Inrush current: 24A @ 120VAC
- -20˚C to +60˚C working temperature • See www.Jameco.com for specifications
- Two-year warranty • Weight: 0.5 lbs. • Size: 8.74"L x 2.16"W x 1.18"H

100-Watt Open Frame

LPS-100 Series: Single Output



- 100% full-load burn-in
- Auto-switch AC input
- No minimum load required
- Load regulation: ±1.5%, except 173462CB: ±0.5%
- Line regulation: ±0.5%
- Voltage adjustment: 10%
- Inrush current: 30A @ 120VAC
- Three-year warranty
- Size: 8.74"L x 2.44" x 1.25"W • Weight: 0.8 lbs.
- -10˚C to +60˚C working temperature • See www.Jameco.com for specifications

100-Watt Open Frame with Power Factor Correction

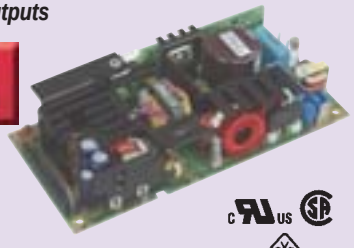
LPP-100 Series: Single Output



- 100% full-load burn-in
- Auto-switch AC input
- No minimum load required
- 4.4 watts/in³ maximum
- Load regulation: ±0.5%
- Line regulation: ±0.5%
- Isolation voltage: 3000VAC
- Inrush current: 40A @ 120VAC
- Voltage adjustment: 10%
- Leakage current: 2.0mA @ 240V
- Three-year warranty • Weight: 0.8 lbs. • Size: 8.75"L x 2.44"W x 1.25"H
- Mounting holes: 8.34"L x 2.04"W x 0.13"Dia.
- Mating connectors: P/Ns 215950CB & 215976CB, pg 125
- -10˚C to +60˚C working temperature • See www.Jameco.com for specifications

110-Watt Open Frame with Power Factor Correction

NLP110 Series: Single & Triple Outputs



- 100% full-load burn-in
- Universal AC input
- 6 watts/in³ maximum
- Load regulation: ±2.0%
- Line regulation: ±2.0%
- Inrush current: 18A @ 120VAC
- Isolation voltage: 3000VAC
- Leakage current: 0.45mA @ 240V
- Voltage adjustment: 3%
- 110W with 20 CFM of air
- Two-year warranty • Weight: 0.6 lbs.
- Size: 6.5"L x 3.0"W x 1.26"H • Mounting holes: 6.05"L x 2.55"W
- Mating connectors: P/Ns 104432CB & 2 ea. 104731CB, pg 125
- 0˚C to +70˚C working temperature • See www.Jameco.com for specifications

Power

Enclosed Power Supplies on pages 196-203.

For Complete Specifications visit www.Jameco.com.

SALE

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10	Pricing 25
244718CB	Mean Well	LPS-75-12	+12V@0-6.8A	74.4W	90-264@47-63	100	UL/CUL/TUV/CE	$34.95	$33.20	$31.54
244726CB	Mean Well ⊕	LPS-75-24	+24V@0-3.5A	76.8W	90-264@47-63	120	UL/CUL/TUV/CE	34.95	31.45	28.31
173471CB	Mean Well ⊕	LPS-100-12	+12V@0-8.4A	100.8W	88-264@47-63	100	UL/CUL/TUV/CE	52.95	48.39	42.89
374344CB	Mean Well ⊕	LPS-100-13.5	+13.5V@0-7.5A	101.3W	88-264@47-63	100	UL/CUL/TUV/CE	52.95	48.39	42.89
173462CB	Mean Well ⊕	LPS-100-24	+24V@0-4.2A	100.8W	88-264@47-63	150	UL/CUL/TUV/CE	52.95	48.39	42.89
216709CB	Mean Well ⊕	LPS-100-48	+48V@0-2.1A	100.8W	88-264@47-63	200	UL/CUL/TUV/CE	52.95	48.39	42.89
216688CB	Mean Well ⊕	LPP-100-12	+12V@0-8.5A	102.0W	85-264@47-63	100	UL/CUL/TUV/CE	57.39	51.65	46.49
204610CB	Mean Well ⊕	LPP-100-24	+24V@0-4.2A	100.8W	85-264@47-63	150	UL/CUL/TUV/CE	64.95	55.21	41.41
218915CB	Artesyn	NLP110-9605 ✪	+5V@0.5-15A	75.0W	90-264@47-63	50	UL/CUL/CSA/VDE	~~$59.49~~ 45.95	41.79	37.99
218923CB	Artesyn	NLP110-9612 ✪	+12V@0.3-6.4A	76.8W	90-264@47-63	120	UL/CUL/CSA/VDE	~~$70.15~~ 59.95	54.49	49.55
218931CB	Artesyn	NLP110-9624 ✪	+24V@0.2-3.2A	76.8W	90-264@47-63	240	UL/CUL/CSA/VDE	~~$69.99~~ 61.25	55.69	50.65
218940CB	Artesyn	NLP110-9693 ✪	+3.3V@0.2-13A;+5V@0.5-13A; +12V@0-0.65A	110.0W	90-264@47-63	50	UL/CUL/CSA/VDE	~~$69.99~~ 61.25	55.69	50.65
218958CB	Artesyn	NLP110-9608	+5V@0.2-13A; +12V@0.2-6.5A; -12V@0-0.65A	110.0W	90-264@47-63	120	UL/CUL/CSA/VDE	~~$87.89~~ 81.85	74.39	67.65

Call for special versions and large quantities

* Primary Output ✪ Blue Part No. = Limited Quantity Available

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Quantity SAVE

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
169068CB	Autec	UPS65-1051	+5V@0.2-13A	65.0W	115/230@50-60	6.0x3.5x1.5	4.8x3.2x0.16	50	1.0	0.5	UL/CSA/VDE	$4.89	$4.16	$3.12
237024CB	Lite-On ⊕	PA-1101-1	+12V@2-8.5A	102.0W	85-264@47-63	6.0x4.0x1.3	—	1200	10.0	1.0	UL/CUL/TUV/CE	19.95	16.96	12.72
171731CB	Delta	DPS-60MPB	+3.3V@0.8-8A; +5V@1-9A;	65.0W	90-270@47-63	5.8x3.3x1.4	—	50	2.0	2.0	UL/CUL/TUV	6.95	5.89	4.45
196824CB	Encad ⊕	U006612010	+5.2V@3A; +24V@2A	65.0W	90-250@50-60	6.3x3.9x1.5	—	—	—	—	UL/CUL/TUV	15.95	14.36	12.71
235088CB	Artesyn Power	NLP65-7629	+5V@0-7A; +12V@0-2.5A +12V@0.8A	65.0W	85-264@47-63	5.0x3.0x1.3	4.6x2.6x0.16	50	2.0	2.0	UL/CUL/CSA/CE	28.35	25.75	23.45
226211CB	Phihong ⊕	PSA-60-302	+5V@6A; +12V@1.2A; -12V@1.2A	60.0W	100-240@50-60	5.0x3.0x1.6	4.5x2.5x0.15	50	2.0	2.0	UL/CSA/VDE	29.95	25.46	19.09
215706CB	Mean Well ⊕	PT-65D	+5V@0.5-4A; +12V@0.2-2A; +24V@0.2-1A	65.0W	90-264@47-440	5.0x3.0x1.5	4.6x2.6x0.15	50	2.0	1.0	UL/CUL/TUV/CE	24.95	22.45	20.19
229850CB	IPD Power ⊕	SRW-65-3003	+5V@5A; +15V@3.5A; -15V@1A	65.0W	85-264@47-63	6.0x4.0x1.1	5.7x3.5x0.15	50	1.0	—	UL/CUL/TUV/CE	22.95	19.51	14.63
202876CB	Power-One	MAP80-4003	+5V@14A; +15V@3.5A; -5V@1A; -15V@1A	80.0W	100-230@47-63	7.2x4.3x1.8	6.7x3.2x0.17	50	1.0	0.2	UL/CSA/TUV/CE	19.95	16.96	16.54
645298CB	Mean Well ⊕	PQ-100DTR	+5V@5A; +12V@2A; +24V@2A; -12V@.3A	103.0W	100-264@47-63	7.0x4.3x1.8	6.5x3.8x0.16	80	1.0	1.0	—	44.95	39.95	29.95

* Primary Output † Power Factor Correction

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

108 to 350W Open-Frame Switching AC-to-DC Power Supplies

108-Watt Open Frame

NFS110-76: Single Output

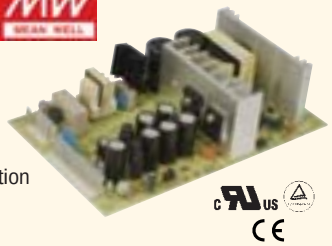
- 100% full-load burn-in
- 2.8 watts/in³ maximum
- Size: 7.0"L x 4.25"W x 1.8"H
- Mating connectors: P/Ns 104723CB, 104766CB & 104432CB, pg 125
- Universal AC input
- Load regulation: ±2.0%
- Weight: 1.3 lbs.
- Two-year warranty
- 108W with 20 CFM of air
- Line regulation: ±0.1%
- Voltage adjustment: 3%
- Mounting holes: 6.6"L x 3.75"W x 0.16"Dia.
- 0˚C to +70˚C working temp.
- See www.Jameco.com for specifications



110-Watt Open Frame

PD-110B: Dual Output

- 100% full-load burn-in
- Universal AC input
- Cooling by free air convection
- Load and line regulation: ±1.0%
- Ripple and noise: 100mVp-p
- Short circuit/overload/over-voltage protection
- Working temperature: -10˚C to +50˚C (see www.Jameco.com for specifications)
- Size: 7.0"L x 4.3"W x 1.8"H



125-Watt Open Frame with Power Factor Correction

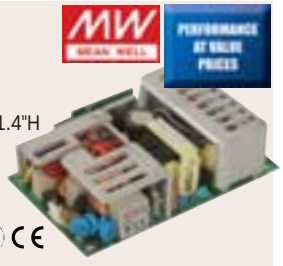
- 100% full-load burn-in
- Universal AC input
- Line regulation: ±0.5%
- Size: 5.0"L x 2.4"W x 1.4"H

PPS-125 Series: Single Output

- Load regulation: ±1.0%
- -40˚ to +85˚C working temperature

PPT-125 Series: Triple Output

- Load regulation: ±3.0%
- -20˚ to +60˚C working temp.
- See www.Jameco.com for specifications



150-Watt Open Frame with Power Factor Correction

NLP150 Series: Single Output

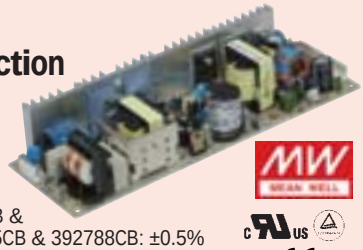
- Parallel operation (current sharing)
- Universal AC input
- 100% full-load burn-in
- Line regulation: ±2.0%
- Load regulation: ±2.0%
- Mating connectors: P/N 104432CB, pg 125 & 103587CB, pg 146
- 0˚ to +70˚C working temp.
- See www.Jameco.com for specifications
- Size: 6.8"L x 3.8"W x 1.26"H
- Two-year warranty



150-Watt Open Frame with Power Factor Correction

LPP-150 Series: Single Output

- 100% full-load burn-in
- Voltage adjustment: 10%
- Line regulation: ±0.5%
- Auto-switch AC input
- Load regulation: 213680CB, 375064CB & 392770CB: ±1.0%; 213671CB, 216645CB & 392788CB: ±0.5%
- Mating connectors: P/N 215950CB & 215968CB, pg 125
- -10˚C to +60˚C working temp.
- See www.Jameco.com for specifications
- Size: 8.74"L x 2.95"W x 1.61"H
- Three-year warranty



Enclosed Power Supplies on pages 196-203.

For Complete Specifications visit www.Jameco.com.

SALE

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing 1	Pricing 10	Pricing 25
218982CB	Artesyn	NFS110-7612 ✪	+12V@0-9A	108.0W	85-264@47-440	120	UL/CUL/CSA/VDE/CE	$83.55 (was $88.79)	$75.95	$69.05
375056CB	Mean Well ⊕	PD-110B	+5V@0.5-5A; +24V@0.5-3.5A	109.0W	100-264@47-63	100	UL/CUL/TUV/CE	62.69	58.90	55.96
374088CB	Mean Well ⊕	PPS-125-12	+12V@0-10.5A	126.0W	90-264@47-63	100	UL/CUL/TUV/CE	93.99	79.84	74.45
374096CB	Mean Well ⊕	PPS-125-15	+15V@0-8.4A	126.0W	90-264@47-63	100	UL/CUL/TUV/CE	93.99	79.84	74.45
301428CB	Mean Well ⊕	PPS-125-24	+24V@0-5.2A	124.8W	90-264@47-63	150	UL/CUL/TUV/CE	93.99	79.84	74.45
301452CB	Mean Well	PPS-125-27	+27V@0-4.6A	124.2W	90-264@47-63	150	UL/CUL/TUV/CE	$93.99 84.59	71.85	66.99
301479CB	Mean Well	PPS-125-48	+48V@0-2.6A	124.8W	90-264@47-63	250	UL/CUL/TUV/CE	93.99	79.84	74.45
301487CB	Mean Well ⊕	PPT-125B	+5V@1-14.4A; +12V@.3-3.8A; -12V@.05-.63A	124.5W	90-264@47-63	100	UL/CUL/TUV/CE	103.55	79.86	74.45
301495CB	Mean Well ⊕	PPT-125C	+5V@1-13.8A; +15V@.25-3.1A; -15V@.05-.63A	125.1W	90-264@47-63	100	UL/CUL/TUV/CE	87.19	74.11	55.58
218991CB	Artesyn	NLP150L-96S3✪	+3.3V@1-22A	72.6W	90-264@47-63	50	UL/CSA/VDE/CE	$73.99 62.35	56.69	51.55
219011CB	Artesyn	NLP150L-96S5✪	+5.1V@1-22A	112.2W	90-264@47-63	50	UL/CSA/VDE/CE	$73.99 62.35	56.69	51.55
219002CB	Artesyn	NLP150L-96S8✪	+24V@0.15-4.6A	110.4W	90-264@47-63	240	UL/CSA/VDE/CE	$81.75 72.75	66.15	60.15
213680CB	Mean Well ⊕	LPP-150-12	+12V@0-12.5A	150.0W	85-264@47-63	100	UL/CUL/TUV/CE	68.45	64.60	61.37
392770CB	Mean Well ⊕	LPP-150-13.5	+13.5V@0-11.2A	151.2W	85-264@47-63	100	UL/CUL/TUV/CE	69.95	53.89	47.29
375064CB	Mean Well ⊕	LPP-150-15	+15V@0-10.0A	150.0W	85-264@47-63	100	UL/CUL/TUV/CE	68.45	64.60	61.37
213671CB	Mean Well ⊕	LPP-150-24	+24V@0-6.3A	150.0W	85-264@47-63	150	UL/CUL/TUV/CE	68.45	64.60	61.37
392788CB	Mean Well ⊕	LPP-150-27	+27V@0-5.6A	151.2W	85-264@47-63	150	UL/CUL/TUV/CE	69.95	53.89	47.29
216645CB	Mean Well ⊕	LPP-150-48	+48V@0-3.2A	153.6W	85-264@47-63	250	UL/CUL/TUV/CE	68.45	64.60	61.37

Call for special versions and large quantities

* Primary Output ✪ Blue Part No. = Limited Quantity Available

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Quantity SAVE

Jameco Part No.	Mfr.	Product No.	Output Voltage@Current (min-max)	Output Power	Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
354925CB	Phihong ⊕	PSF151-240C	+24VDC@6A	150.0W	90-264@47-63	8.0x4.2x1.5	—	240	3.0	0.5	UL/CUL/TUV/CE	$42.95	$38.66	$34.79
196795CB	Cherokee ⊕	QP2A2-1A-A	+5V@40A; +12V@2.5A	230.0W	115/230@50-60	10.0x4.3x2.5	7.5x3.0x0.15	50	0.25	0.25	TUV	11.95	10.76	9.68
210905CB	Lambda ⊕	WA305-00-03	+5V@50A; +12V@10A; +24V@4A; -5.2V@4A; -12V@4A	300.0W	85-264@45-440	11.9x5.0x1.8	8.1x2.5x0.16	50	1.0	0.2	UL/CSA/CE	49.95	42.46	31.84
196461CB	TODD ♣ ⊕	MAX3541205AC	+5V@50A; +12V@12A; -5V@2A; -12V@4A	350.0W	115/230@50-60	9.0x5.0x2.5	6.5x3.9x0.08	50	1.0	1.0	TUV	47.95	40.79	30.59

♣ Pull = Extra Savings * Primary Output

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

25-Watt Enclosed

RS-25 Series: Single Output

- New smaller design: 3.0" x 2" x 1.1"
- 3.66 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/ over-voltage protection
- 105˚C output capacitor
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection
- High operating temperature up to 70˚C
- Mating connector: 103587CB, pg 146
- Three-year warranty



25-Watt Enclosed

S-25 Series: Single Output

- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- No minimum load required
- 1.2 watts/in³ maximum
- Voltage adjustment: 10%
- Mating connector: 103587CB, pg 146
- -10˚C to +60˚C working temperature
- See www.Jameco.com for specifications
- Mounting hardware: use P/Ns 222121CB, 222156CB, 222172CB & 222164CB
- Two-year warranty



35-Watt Enclosed

RS-35 & RD-35 Series: Single & Dual Output

- New smaller design: 3.9" x 3.2" x 1.4"
- 2 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/ over-voltage protection
- 105˚C output capacitors
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection
- High operating temperature up to 70˚C
- Mating connector: 103587CB, pg 146
- Three-year warranty



40-Watt Enclosed

S-40 & T-40 Series: Single & Triple Output

- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- 1.6 watts/in³ maximum
- Voltage adjustment: 10%
- Mating connector: P/N 103587CB, pg 146
- -10˚C to +60˚C working temperature
- See www.Jameco.com for specifications
- Mounting hardware: use P/Ns 222121CB, 222156CB & 222172CB
- Two-year warranty



Power

Open-Frame Power Supplies on pages 190-195.

For PC Power Supplies, see page 246.

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
323281CB	Mean Well ⊕	RS-25-5	+5V@0-5A	25.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**$27.55**	**$23.75**	**$22.59**
323299CB	Mean Well ⊕	RS-25-12	+12V@0-2.1A	25.2W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**27.55**	**23.75**	**22.59**
323301CB	Mean Well ⊕	RS-25-15	+15V@0-1.7A	25.5W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**27.55**	**23.75**	**22.59**
323310CB	Mean Well ⊕	RS-25-24	+24V@0-1.1A	26.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**27.55**	**23.75**	**22.59**
123246CB	Mean Well ⊕	S-25-5	+5V@0-5A	25.0W	50	1	0.5	UL/TUV/CE	**39.95**	**32.10**	**28.90**
123254CB	Mean Well ⊕	S-25-12	+12V@0-2.1A	25.2W	100	0.5	0.5	UL/TUV/CE	**39.95**	**32.10**	**28.90**
123262CB	Mean Well ⊕	S-25-15	+15V@0-1.7A	25.5W	100	0.5	0.5	UL/TUV/CE	**39.95**	**32.10**	**28.90**
123271CB	Mean Well ⊕	S-25-24	+24V@0-1.1A	26.4W	100	0.5	0.5	UL/TUV/CE	**39.95**	**32.10**	**28.90**
323328CB	Mean Well ⊕	RS-35-5	+5V@0-7A	35.0W	80	1	0.5	UL/CUL/TUV/CE/CB	**34.25**	**28.55**	**27.15**
323336CB	Mean Well ⊕	RS-35-12	+12V@0-3A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**34.25**	**28.55**	**27.15**
323344CB	Mean Well ⊕	RS-35-15	+15V@0-2.4A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**34.25**	**28.55**	**27.15**
323352CB	Mean Well ⊕	RS-35-24	+24V@0-1.5A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**34.25**	**28.55**	**27.15**
323361CB	Mean Well ⊕	RD-35A	+5V@0.3-4A; +12V@0.2-1A	32.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**37.05**	**32.35**	**30.75**
323379CB	Mean Well ⊕	RD-35B	+5V@0.3-4A; +24V@0.2-1.3A	51.2W	80	0.5	0.5	UL/CUL/TUV/CE/CB	**37.05**	**32.35**	**30.75**
123289CB	Mean Well ⊕	S-40-5	+5V@0-8A	40.0W	75	1	0.5	UL/CUL/TUV/CE/CB	**44.95**	**38.60**	**34.70**
123297CB	Mean Well ⊕	S-40-12	+12V@0-3.5A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	**44.95**	**38.60**	**34.70**
202139CB	Mean Well ⊕	S-40-15	+15V@0-2.8A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	**44.95**	**38.60**	**34.70**
123318CB	Mean Well ⊕	S-40-24	+24V@0-1.8A	43.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	**44.95**	**38.60**	**34.70**
201988CB	Mean Well ⊕	T-40A	+5V@0.6-3A; +12V@0.2-2A; -5V@0.1-0.5A	41.5W	100	0.5	0.5	CSA/CE	**49.95**	**42.46**	**31.84**
201996CB	Mean Well ⊕	T-40B	+5V@0.6-3A; +12V@0.2-2A; -12V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	**49.95**	**42.10**	**37.90**
202008CB	Mean Well ⊕	T-40C	+5V@0.6-3A; +15V@0.2-1.5A; -15V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	**49.95**	**42.10**	**37.90**

Call for special versions and large quantities

* Primary Output

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

See pages 223 & 224 for Power Cords



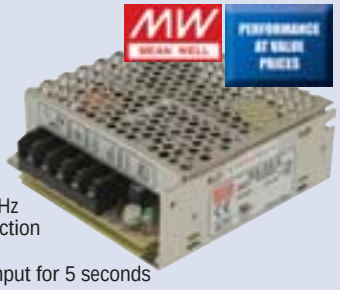
Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages @ **www.Jameco.com**

50 to 75-Watt Enclosed Switching AC-to-DC Power Supplies

50-Watt Enclosed

RS-50, RD-50, RT-50, & RQ-50 Series: Single, Dual, Triple & Quad Output



- New smaller design: 3.9" x 3.8" x 1.4"
- 2.4 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- 105˚C output capacitors
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection
- High operating temperature up to 70˚C
- Mating connector: 103587CB, pg 146 • Three-year warranty

60-Watt Enclosed

S-60, D-60, T-60 & Q-60 Series: Single, Dual, Triple & Quad Outputs



- 100% full-load burn-in
- 1.7 watts/in³ maximum
- Voltage adjustment: 10%
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- Mating connector: P/N 103587CB, pg 146
- -10˚C to +60˚C working temperature
- Mounting hardware: use P/Ns 222130CB, 222156CB & 222172CB
- Two-year warranty • See www.Jameco.com for specifications

65-Watt Enclosed

RD-65, RT-65 & RQ-65 Series: Dual, Triple & Quad Outputs



- New smaller design: 5.1" x 3.9" x 1.5"
- 2.2 watts/in³ power density
- 100% full-load burn-in
- 105˚C output capacitors
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/ over-voltage protection
- Cooling by free air convection
- High operating temperature up to 70˚C
- Withstanding voltage of 300VAC surge input for 5 seconds
- Mating connector: 103587CB, pg 146 • Three-year warranty

75-Watt Enclosed with Power Factor Correction

RS-75 Series: Single Output



- New smaller design: 5.1" x 3.9" x 1.5"
- 2.5 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/ over-voltage protection
- 105˚C output capacitor
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection • High operating temperature up to 70˚C
- Mating connector: 103587CB, pg 146 • Three-year warranty

Open-Frame Power Supplies on pages 190-195.

For PC Power Supplies, see page 246.

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	10	25
323387CB	Mean Well ⊕	RS-50-5	+5V@0-10A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	$37.05	$31.35	$29.79
323395CB	Mean Well ⊕	RS-50-12	+12V@0-4.2A	50.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.05	31.35	29.79
323408CB	Mean Well ⊕	RS-50-15	+15V@0-3.4A	51.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.05	31.35	29.79
323416CB	Mean Well ⊕	RS-50-24	+24V@0-2.2A	52.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.05	31.35	29.79
323424CB	Mean Well ⊕	RD-50A	+5V@0.3-6A; +12V@0.3-3A	54.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	39.95	34.25	32.55
323432CB	Mean Well ⊕	RD-50B	+5V@0.3-6A; +24V@0.2-2A	53.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	39.95	34.25	32.55
323441CB	Mean Well ⊕	RT-50A	+5V@0.5-5A; +12V@0.2-2.5A; -5V@0.5-5A	46.5W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323459CB	Mean Well ⊕	RT-50B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323467CB	Mean Well ⊕	RT-50C	+5V@0-5A; +15V@0.2-2A; -15V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323475CB	Mean Well ⊕	RT-50D	+5V@0.5-5A; +12V0.1-1A; +24V@0.2-1.5A	51.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	36.15	34.35
323483CB	Mean Well ⊕	RQ-50B	+5V@0.5-6A; +12V@0.2-1.5A; -5V@0-1A; -12V@0-1A	45.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
323491CB	Mean Well ⊕	RQ-50D	+5V@0.5-6A; +12V@0.2-1.5A; +24V@0.1-1A; -12V@0-1A	53.4W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
123326CB	Mean Well ⊕	S-60-5	+5V@0-12A	60.0W	120	1	0.5	UL/CUL/TUV/CE/CB	53.95	48.55	42.99
123334CB	Mean Well ⊕	S-60-12	+12V@0-5A	60.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	53.95	41.50	37.30
123342CB	Mean Well ⊕	S-60-15	+15V@0-4A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	53.95	41.50	37.30
123351CB	Mean Well ⊕	S-60-24	+24V@0-2.5A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	53.95	41.50	37.30
123457CB	Mean Well ⊕	D-60A	+5V@0.3-4A; +12V@0.2-3A	56.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	54.95	44.10	39.70
123465CB	Mean Well ⊕	D-60B	+5V@0.3-3A; +24V@0.2-1.8A	58.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	54.95	44.10	39.70
123473CB	Mean Well ⊕	T-60A	+5V@0.5-5A; +12V@0.2-2.5A; -5V@0-0.5A	57.5W	100	1	0.5	UL/CUL/TUV/CE/CB	$52.95 44.99	36.49	32.85
123481CB	Mean Well ⊕	T-60B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0-0.5A	61.0W	100	1	0.5	UL/CUL/TUV/CE/CB	57.95	47.00	42.30
123490CB	Mean Well ⊕	T-60C	+5V@0.5-5A; +15V@0.2-2A; -15V@0-0.5A	62.5W	100	1	0.5	UL/CUL/TUV/CE/CB	57.95	47.00	42.30
147045CB	Mean Well ⊕	Q-60B	+5V@0.5-5.5A; +12V@0.1-2A; -5V@0-0.5A; -12V@0-0.5A	60.0W	100	0.5	0.5	UL/CUL/CE/CB	59.95	49.90	44.90
323504CB	Mean Well ⊕	RD-65A	+5V@0.3-8A; +12V@0.2-4A	66.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
323512CB	Mean Well ⊕	RD-65B	+5V@0.3-8A; +24V@0.2-3A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.75	37.05	35.25
323521CB	Mean Well ⊕	RT-65A	+5V@0.5-8A; +12V@0.2-3.5A; -5V@0-1A	66.1W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323539CB	Mean Well ⊕	RT-65B	+5V@0.5-8A; +12V@0.2-3.5A; -12V@0-1A	64.6W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323547CB	Mean Well ⊕	RT-65C	+5V@0.5-8A; +15V@0.2-3A; -15V@0-1A	65.5W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323555CB	Mean Well ⊕	RT-65D	+5V@0.5-8A; +12V@0.1-1A; +24V@0.2-2A	68.0W	80	1	0.5	UL/CUL/TUV/CE/CB	47.55	39.95	37.95
323563CB	Mean Well ⊕	RQ-65B	+5V@0.5-8A; +12v@0.2-3A; -5V@0-1A; -12V@0-1A	62.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	48.45	40.85	38.85
323571CB	Mean Well ⊕	RQ-65D	+5V@0.5-8A; +12V@0.2-3A; +24V@0.1-1.5A; -12V@0-1A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	48.45	40.85	38.85
323580CB	Mean Well ⊕	RS-75-5	+5V@0-12A	60.0W	80	1	0.5	UL/CUL/TUV/CE/CB	41.85	35.15	33.39
323598CB	Mean Well ⊕	RS-75-12	+12V@0-6A	72.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	41.85	35.15	33.39
323601CB	Mean Well ⊕	RS-75-15	+15V@0-5A	75.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	41.85	35.15	33.39
323619CB	Mean Well ⊕	RS-75-24	+24V@0-3.2A	76.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	41.85	35.15	33.39

Call for special versions and large quantities

* Primary Output

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

75-Watt Enclosed with Power Factor Correction

SP-75 & TP-75B Series: Single & Triple Output



- 100% full-load burn-in • Universal AC input
- 2.1 watts/in³ max.
- Voltage adjustment: 10%
- Input: 85-264VAC @ 47-63Hz, 120-370VDC
- No minimum load required
- Mating connector: P/N 103587CB, pg 146
- -10˚C to +60˚C working temperature
- Mounting hardware: use P/Ns 222156CB, 222164CB & 222172CB;
- Three-year warranty • See www.Jameco.com for specifications

85-Watt Enclosed with Power Factor Correction

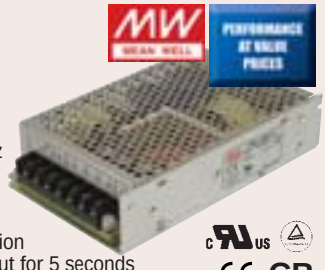
RD-85, RT-85 & RQ-85 Series: Dual, Triple & Quad Output



- New smaller design: 6.3" x 3.8" x 1.5"
- 2.4 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- 105˚C output capacitors • Three-year warranty
- Withstanding voltage of 300VAC surge input for 5 seconds
- Cooling by free air convection • High operating temperature up to 70˚C
- Mating connector: 103587CB, pg 146 • See www.Jameco.com for specs

100-Watt Enclosed

RS-100 Series: Single Output



- New smaller design: 7.8" x 3.9" x 1.5"
- 2.7 watts/in³ power density
- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- 105˚C output capacitor
- Cooling by free air convection
- High operating temperature up to 70˚C
- Short circuit/overload/over-voltage protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- Mating connector: 103587CB, pg 146 • Three-year warranty
- See www.Jameco.com for specifications

100-Watt Enclosed

S-100F Series: Single Output



- 100% full-load burn-in • 2.3 watts/in³ max.
- Voltage adjustment: 10%
- No minimum load required
- Universal AC input: 88-132/176-264VAC @ 47-63Hz
- Mating connector: P/N 103587CB, pg 146
- -10˚C to +60˚C working temperature
- Mounting hardware: use P/Ns 222130CB, 222156CB and 222172CB • Two-year warranty
- See www.Jameco.com for specifications

100-Watt Enclosed with Power Factor Correction

SP-100 & TP-100 Series: Single & Triple Outputs



- 100% full-load burn-in • Universal AC input: 86-264VAC @ 47-63Hz, 120-370VDC
- 2.3 watts/in³ maximum • Voltage adjustment: 10%
- Mating connector: P/N 103587CB, pg 146 • Three-year warranty
- -10˚C to +60˚C working temperature • See www.Jameco.com for specifications
- Mounting hardware use P/Ns 222130CB, 222164CB, 222156CB, 222172CB & 222181CB

Power

Open-Frame Power Supplies on pages 190-195.

For PC Power Supplies, see page 246.

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
194829CB	Mean Well ⊕	SP-75-5	+5V@0-15A	75.0W	80	1	0.5	UL/CUL/TUV/CE/CB	$59.95	$53.96	$48.56
194837CB	Mean Well ⊕	SP-75-12	+12V@0-6.3A	75.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	61.05	53.89
194845CB	Mean Well ⊕	SP-75-15	+15V@0-5A	75.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	61.05	53.89
194853CB	Mean Well ⊕	SP-75-24	+24V@0-3.2A	76.8W	100	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	61.05	53.89
216805CB	Mean Well ⊕	SP-75-48	+48V@0-1.6A	76.8W	100	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	62.95	51.75
375048CB	Mean Well ⊕	TP-75B	+5V@1.5-10A; +12V@0.2-4A; -12V@0-0.6A	75.8W	100	3	1	UL/CUL/TUV/CE/CB	78.85	74.10	70.40
323627CB	Mean Well ⊕	RD-85A	+5V@2-10A; +12V@0.3-5A	110.0W	80	1	0.5	UL/CUL/TUV/CE/CB	61.75	52.25	49.65
323635CB	Mean Well ⊕	RD-85B	+5V@2-10A; +24V@0.3-2.5A	110.0W	80	1	0.5	UL/CUL/TUV/CE/CB	61.75	52.25	49.65
323643CB	Mean Well ⊕	RT-85A	+5V@2-10A; +12V@0.3-4A; -5V@0-1A	84.5W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323651CB	Mean Well ⊕	RT-85B	+5V@2-10A; +12V@0.3-4A; -12V@0-1A	88.0W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323660CB	Mean Well ⊕	RT-85C	+5V@2-10A; +15V@0.3-4A; -15V@0-1A	87.5W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323678CB	Mean Well ⊕	RT-85D	+5V@2-10A; +12V@0.1-1A; +24V@0.3-2.5A	90.0W	80	1	0.5	UL/CUL/TUV/CE/CB	66.55	57.05	54.25
323686CB	Mean Well ⊕	RQ-85B	+5v@2-10A; +12v@0.3-4A; -5V@0-1A; -12V@0-1A	80.7W	80	1	0.5	UL/CUL/TUV/CE/CB	68.45	57.95	55.05
323694CB	Mean Well ⊕	RQ-85D	+5V@2-10A; +12v@0.3-4A; +24V@0.1-1.5A; -12V@0-1A	84.0W	80	1	0.5	UL/CUL/TUV/CE/CB	68.45	57.95	55.05
323707CB	Mean Well ⊕	RS-100-5	+5V@0-16A	80.0W	80	1	0.5	UL/CUL/TUV/CE/CB	57.95	49.45	46.99
323715CB	Mean Well ⊕	RS-100-12	+12V@0-8.5A	102.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	49.45	46.99
323723CB	Mean Well ⊕	RS-100-15	+15V@0-7A	105.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	49.45	46.99
323731CB	Mean Well ⊕	RS-100-24	+24V@0-4.5A	108.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	49.45	46.99
201961CB	Mean Well ⊕	S-100F-5	+5V@0-20A	100.0W	100	1	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
374918CB	Mean Well ⊕	S-100F-7.5	+7.5V@0-13.5A	101.0W	125	0.5	0.5	UL/CUL/TUV/CE/CB	66.95	49.90	44.90
123385CB	Mean Well ⊕	S-100F-12	+12V@0-8.5A	102.0W	125	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
212450CB	Mean Well ⊕	S-100F-15	+15V@0-6.7A	100.5W	125	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
201970CB	Mean Well ⊕	S-100F-24	+24V@0-4.5A	108.0W	150	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
216792CB	Mean Well ⊕	S-100F-48	+48V@0-2.2A	105.6W	150	0.5	0.5	UL/TUV/CE/CB	66.95	49.90	44.90
194790CB	Mean Well ⊕	SP-100-5	+5V@0-20A	100.0W	100	1	0.5	UL/CUL/TUV/CE/CB	84.95	79.70	75.69
194802CB	Mean Well ⊕	SP-100-12	+12V@0-8.5A	102.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	84.95	79.70	75.69
212433CB	Mean Well	SP-100-15	+15V@0-6.7A	100.5W	100	0.5	0.5	UL/CUL/TUV/CE/CB	47.89	43.54	39.58
194811CB	Mean Well ⊕	SP-100-24	+24V@0-4.2A	100.8W	150	0.5	0.5	UL/CUL/TUV/CE/CB	84.95	76.46	67.70
394169CB	Mean Well ⊕	SP-100-27	+27V@0-3.8A	102.6W	150	0.5	0.5	UL/CUL/TUV/CE/CB	84.95	79.70	75.69
212425CB	Mean Well	SP-100-48	+48V@0-2.1A	100.8W	250	0.5	0.1	UL/CUL/TUV/CE/CB	59.95	53.96	48.56
213778CB	Mean Well ⊕	TP-100C	+5V@3-10A; +15V@0.4-3A; -15V@0-0.6A	104.0W	100	3	1	UL/CUL/TUV/CE/CB	89.95	76.46	59.99

Call for special versions and large quantities

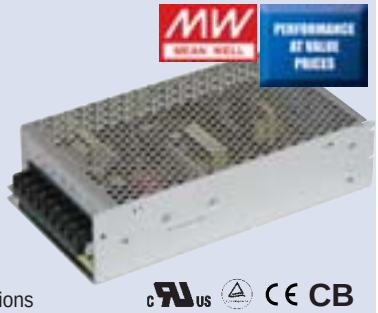
* Primary Output

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

120 to 150W Enclosed Switching AC-to-DC Power Supplies

120-Watt Enclosed

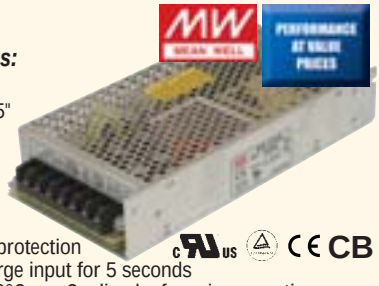
D-120, T-120 & Q-120 Series: Dual, Triple & Quad Outputs



- 100% full-load burn-in
- Mating connector: P/N 103587CB, pg 146
- -10˚C to +60˚C working temperature
- Mounting hardware: use P/Ns 222130CB, 222156CB and 222172CB
- Two-year warranty
- See www.Jameco.com for specifications

125-Watt Enclosed

RD-125, RT-125 & RQ-125 Series: Dual, Triple & Quad Output



- New smaller design: 7.8" x 3.9" x 1.5"
- 2.7 watts/in³ power density
- 100% full-load burn-in
- 105˚C output capacitors
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- High operating temperature up to 70°C
- Cooling by free air convection
- Mating connector: 103587CB, pg 146
- Three-year warranty
- See www.Jameco.com for specifications

150-Watt Enclosed

RS-150 Series: Single Output



- New smaller design: 7.8" x 3.9" x 1.5"
- 3.3 watts/in³ power density
- 100% full-load burn-in
- 105˚C output capacitor
- Cooling by free air convection
- High operating temperature up to 70°C
- Universal AC input: 88-264VAC @ 47-63Hz
- Short circuit/overload/over-voltage protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- Mating connector: 103587CB, pg 146
- Three-year warranty

150-Watt Enclosed

S-150 Series: Single Output



- 100% full-load burn-in
- No minimum load required
- Voltage adj.: 10%
- Mating connector: P/N 103587CB, pg 146
- Input: 88-132/176-264 @ 47-63Hz
- -10˚ to +60˚C working temperature
- Mounting hardware: use P/Ns 222130CB, 222156CB & 222172CB
- Two-year warranty
- See www.Jameco.com for specifications

Open-Frame Power Supplies on pages 190-195.

For PC Power Supplies, see page 246.

Quantity SAVE

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
132409CB	Mean Well ⊕	D-120A	+5V@2-12A; +12V@0.5-5A	120.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	$69.95	$59.46	$44.59
132396CB	Mean Well ⊕	D-120B	+5V@2-6A; +24V@0.4-4A	126.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	59.46	44.59
301508CB	Mean Well ⊕	T-120B	+5V@2-12A; +12V@0.5-5A; -12V@0.2-1A	121.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	74.95	61.04	53.89
301516CB	Mean Well ⊕	T-120C	+5V@2-12A; +15V@0.5-5A; -15V@0.2-1A	117.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	74.95	61.04	53.89
132388CB	Mean Well ⊕	Q-120B	+5V@2-11A; -5V@0.2-1A; +12V@0.5-4A; -12V@0.2-1A	120.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	79.95	63.79	56.09
132370CB	Mean Well ⊕	Q-120D	+5V@2-8A; +24V@0.2-2A; +12V@0.2-2A; -12V@0.2-1A	124.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	79.95	63.79	56.09
323740CB	Mean Well ⊕	RD-125A	+5V@2-15A; +12V@0.5-10A	130.9W	80	3	1	UL/CUL/TUV/CE/CB	64.65	55.15	52.39
323758CB	Mean Well ⊕	RD-125B	+5V@2-10A; +24V@0.4-5A	133.4W	80	3	1	UL/CUL/TUV/CE/CB	64.65	55.15	52.39
323766CB	Mean Well ⊕	RT-125A	+5V@2-15A; +12V@0.5-6A; -5V@0.1-1A	131.0W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323774CB	Mean Well ⊕	RT-125B	+5V@2-15A; +12v@0.5-6A; -12V@0.1-1A	132.0W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323782CB	Mean Well ⊕	RT-125C	+5V@2-15A; +15V@0.5-6A; -15V@0.1-1A	132.5W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323791CB	Mean Well ⊕	RT-125D	+5V@2-15A; +12V@0.1-2A; +24V@0.4-4A	136.0W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323803CB	Mean Well ⊕	RQ-125B	+5V@2-12A; +12V@0.5-4.5A; -5V@0.1-1A; -12V@0.1-1A	120.0W	80	1	0.5	UL/CUL/TUV/CE/CB	72.25	62.75	59.65
323811CB	Mean Well ⊕	RQ-125D	+5V@2-12A; +12V@0.5-4A; +24V@0.1-2.5A; -12V@0-1A	124.0W	80	1	0.5	UL/CUL/TUV/CE/CB	72.25	62.75	59.65
323820CB	Mean Well ⊕	RS-150-5	+5V@0-26A	130.0W	80	1	0.5	UL/CUL/TUV/CE/CB	61.75	53.25	50.59
323838CB	Mean Well ⊕	RS-150-12	+12V@0-12.5A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	61.75	53.25	50.59
323846CB	Mean Well ⊕	RS-150-15	+15V@0-10A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	61.75	53.25	50.59
323854CB	Mean Well ⊕	RS-150-24	+24V@0-6.5A	156.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	61.75	53.25	50.59
323862CB	Mean Well ⊕	RS-150-48	+48V@0-3.3A	158.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	61.75	53.25	50.59
123393CB	Mean Well ⊕	S-150-5	+5V@0-30A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	64.79	58.30	52.50
123414CB	Mean Well ⊕	S-150-7.5	+7.5V@0-20A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	64.79	58.30	52.50
123422CB	Mean Well ⊕	S-150-12	+12V@0-12.5A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	64.79	58.30	52.50
202024CB	Mean Well ⊕	S-150-13.5	+13.5V@0-11.2A	151.2W	180	0.3	0.3	UL/CUL/TUV/CE/CB	64.79	58.30	52.50
123431CB	Mean Well ⊕	S-150-15	+15V@0-10A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	64.79	58.30	52.50
123449CB	Mean Well ⊕	S-150-24	+24V@0-6.5A	156.0W	240	0.2	0.2	UL/CUL/TUV/CE/CB	69.95	58.30	52.50
202032CB	Mean Well ⊕	S-150-27	+27V@0-5.6A	151.2W	240	0.2	0.2	UL/CUL/TUV/CE/CB	64.79	58.30	52.50
167345CB	Mean Well ⊕	S-150-48	+48V@0-3.2A	153.6W	240	0.2	0.2	UL/CUL/TUV/CE/CB	64.79	58.30	52.50

Call for special versions and large quantities

* Primary Output

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

SALE

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
323871CB	Volgen ⊕	SP100U-24S	+24V@4.4A	105.6W	150	0.4	0.2	—	$49.95	$44.96	$40.46
205858CB	Volgen	JRK-115B ✪	+5V@4.5A; +15V@3.5A; +24V@0.4A; -5V@1.6A; -15V@1.5A	75.0W	100	0.8	0.4	—	17.99	16.37	14.88

* Primary Output ✪ Blue Part No. = Limited Quantity Available

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

150-Watt Enclosed with Power Factor Correction

SP-150, TP-150 & QP-150 Series: Single, Triple & Quad Outputs



- 100% full-load burn-in
- Input: 85-264VAC, 120-370VDC
- Mating connector: P/N 103587CB, pg 146
- -10˚C to +60˚C working temperature
- Mounting hardware: use P/Ns 222130CB, 222156CB, 222164CB, 222181CB & 222172CB
- Three-year warranty • See www.Jameco.com for specifications

200-Watt Enclosed with Power Factor Correction

SP-200 Series: Single Output



- 100% full-load burn-in
- Universal AC input
- No minimum load required
- 3.3 watts/in³ maximum
- Built-in fan cooling
- Input: 85-264VAC @ 47-63Hz, 120-370VDC
- Voltage adjustment: 10%
- Mating connector: P/N 103587CB, pg 146
- -10˚ to +60˚C working temperature
- Mounting hardware use P/Ns 222130CB, 222156CB, 222164CB, 222181CB & 222172CB
- Three-year warranty • See www.Jameco.com for specifications

200-Watt Enclosed with Power Factor Correction

QP-200 Series: Quad Output



- 100% full-load burn-in
- Input: 85-264VAC, 120-370VDC
- Remote sense
- 2.6 watts/in³ maximum
- Built-in fan cooling
- Mating connector: P/N 103587CB, pg 146
- -10˚ to +60˚C working temperature
- Mounting hardware use P/Ns 222156CB, 222181CB & 222172CB
- Three-year warranty • See www.Jameco.com for specifications

240-Watt Enclosed

S-240 Series: Single Output



- 100% full-load burn-in
- Auto-switch AC input
- No minimum load required
- 3.4 watts/in³ maximum
- Auto cooling fan
- Voltage adjustment: 10%
- Mating connector: P/N 103587CB, pg 146
- Input: 88-132/176-264VAC @ 47-63Hz
- -10˚C to +60˚C working temperature
- Mounting hardware use P/Ns 222156CB & 222172CB
- Two-year warranty • See www.Jameco.com for specifications

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	10	25
201902CB	Mean Well ⊕	SP-150-3.3	+3.3V@0-30A	99.0W	100	1	0.5	UL/CUL/TUV/CE/CB	$82.75	$70.34	$52.75
201911CB	Mean Well ⊕	SP-150-5	+5V@0-30A	150.0W	100	1	0.5	UL/CUL/TUV/CE/CB	74.95	63.71	54.03
173420CB	Mean Well ⊕	SP-150-12	+12V@0-12.5A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	90.21	85.70
394193CB	Mean Well ⊕	SP-150-13.5	+13.5V@0-11.2A	151.2W	100	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	90.21	85.70
173411CB	Mean Well ⊕	SP-150-15	+15V@0-10A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	91.21	85.70
173403CB	Mean Well ⊕	SP-150-24	+24V@0-6.3A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	90.21	85.70
201929CB	Mean Well ⊕	SP-150-48	+48V@0-3.2A	153.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB	74.95	63.71	47.78
213831CB	Mean Well ⊕	TP-150C	+5V@2-15A; +15V@0.4-4.5A; -15V@0-0.6A	151.5W	100	3	1	UL/CUL/TUV/CE/CB	93.25	83.89	75.50
213647CB	Mean Well ⊕	QP-150F	+5V@3-10A; +15V@0-3A; +24V@0.4-2A; -15V@0-0.6A	152.0W	120	2	1	UL/CUL/TUV/CE/CB	145.95	124.06	93.04
202041CB	Mean Well ⊕	SP-200-5	+5V@0-40A	200.0W	100	1	0.5	UL/CUL/TUV/CE/CB	102.95	85.79	74.79
194773CB	Mean Well ⊕	SP-200-12	+12V@0-16.7A	200.4W	100	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
212409CB	Mean Well ⊕	SP-200-13.5	+13.5V@0-14.9A	201.1W	100	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
202059CB	Mean Well ⊕	SP-200-15	+15V@0-13.4A	201.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
194781CB	Mean Well ⊕	SP-200-24	+24V@0-8.4A	201.6W	150	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
202067CB	Mean Well ⊕	SP-200-48	+48V@0-4.2A	201.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB	102.95	92.66	83.39
213751CB	Mean Well ⊕	QP-200D	+5V@3-15A; +12V@0-4A; +24V@0.4-3A; -12V@0-0.7A	204.9W	100	2	1	UL/CUL/TUV/CE/CB	156.95	127.99	112.99
202083CB	Mean Well	S-240-5	+5V@0-40A	200.0W	150	1	0.5	UL/CUL/TUV/CE/CB	~~$80.05~~ 72.95	65.66	61.95
137648CB	Mean Well ⊕	S-240-12	+12V@0-18A	216.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	109.95	98.95	89.09
202075CB	Mean Well ⊕	S-240-15	+15V@0-15A	225.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	94.95	85.46	76.91
137656CB	Mean Well ⊕	S-240-24	+24V@0-10A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB	109.95	98.95	89.09
392833CB	Mean Well ⊕	S-240-30	+30V@0-8A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB	99.95	93.95	89.25
167337CB	Mean Well ⊕	S-240-48	+48V@0-5A	240.0W	240	1	1	UL/CUL/TUV/CE/CB	109.95	98.95	89.09

Call for special versions and large quantities

* Primary Output

Other Manufacturers – Special Offers at Great Savings – 90-Day Warranty

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)	Load Reg. (±%)	Line Reg. (±%)	Certification	Pricing 1	10	25
199515CB	Globtek ⊕	RT-3S150-24	24V@6.5A	156.0W	100	5	5	UL/CE	$69.95	$59.95	$47.95
371012CB	Potrans ⊕	GL150W-24-NC	24V@6.5A	156.0W	150	—	—	UL/CUL/TUV/CE	56.95	45.55	34.15

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

300 to 480W Enclosed Switching AC-to-DC Power Supplies

300-Watt Enclosed with Power Factor Correction

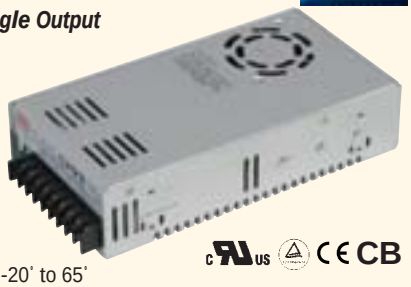
PSP-300 Series: Single Output



- 100% full-load burn-in
- Input: 88-264VAC, 120-370VDC
- Forced air cooling by built-in DC fan
- Built-in active PFC function
- Built-in cooling fan ON-OFF
- Built-in remote ON-OFF control
- Built-in remote sense function
- With power good & fail signal output
- Short circuit/overload/over-voltage/ over-temperature protection
- Mating connector: P/N 103587CB or 302877CB, pg 146
- Input: 88-264VAC@47-63Hz/124-370VDC
- Working temperature: -10˚C to +50˚C
- Three-year warranty • See www.Jameco.com for specifications

300 & 320-Watt Enclosed with Power Factor Correction

SP-300 & SP-320 Series: Single Output



- 100% full-load burn-in
- Universal AC input
- No minimum load required
- Auto cooling fan
- Voltage adj.: 10%
- Input: 88-264VAC @ 47-63Hz, 120-370VDC
- Mating connector: P/N 103587CB, pg 146
- Working temperature: SP-300: -10˚ to +60˚C; SP-320: -20˚ to 65˚
- Mounting hardware: use P/Ns 222156CB, 222130CB, 222181CB & 222172CB
- Three-year warranty • See www.Jameco.com for specifications

320-Watt Enclosed

S-320 Series: Single Output



- 100% full-load burn-in
- Auto cooling fan
- No minimum load required
- 4.1 watts/in³ maximum
- Voltage adjustment: 10%
- Input: 88-132/176-264VAC @ 47-63Hz
- Mating connector: P/N 103587CB, pg 146
- -10˚ to +60˚C working temperature
- Mounting hardware: use P/Ns 222156CB, 222181CB & 222172CB
- Two-year warranty • See www.Jameco.com for specifications

480-Watt Enclosed with Power Factor Correction

SP-480 Series: Single Output



- Input: 85-264VAC, 120-370VDC
- -20˚C to +60˚C working temperature
- Short circuit/overload/over-voltage/ over-temperature protection
- Built-in remote ON-OFF control
- Built-in remote sense function
- High power density: 5.18 watts/in³ maximum
- Active AC surge current limiting
- Inrush current: 25A@115VAC
- Leakage current: <2mA @ 240VAC
- Size: 10.9"L x 5.0"W x 1.7"H
- Three-year warranty • See www.Jameco.com for specifications

Open-Frame Power Supplies on pages 190-195.

For PC Power Supplies, see page 246.

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
374168CB	Mean Well ⊕	PSP-300-12	+12V@0-25A	300.0W	200	0.5	0.3	UL/CUL/TUV/CE/CB	$178.65	$169.10	$160.65
374176CB	Mean Well ⊕	PSP-300-13.5	+13.5V@0-22A	297.0W	200	0.5	0.3	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
374184CB	Mean Well ⊕	PSP-300-24	+24V@0-12.5A	300.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
374192CB	Mean Well ⊕	PSP-300-27	+27V@0-11A	297.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
374205CB	Mean Well ⊕	PSP-300-48	+48V@0-6.5A	312.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	178.65	169.10	160.65
202091CB	Mean Well ⊕	SP-300-5	+5V@0-50A at 230VAC; 0-40A at 115VAC	250.0W	150	1	0.5	UL/CUL/TUV/CE/CB	169.95	144.46	108.34
137390CB	Mean Well ⊕	SP-300-12	+12V@0-24A at 230VAC; 0-19.2A at 115VAC	288.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
212396CB	Mean Well ⊕	SP-300-13.5	+13.5V@0-21A at 230VAC; 0-16.8A at 115VAC	285.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
202104CB	Mean Well ⊕	SP-300-15	+15V@0-19A at 230VAC; 0-15.2A at 115VAC	285.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
137402CB	Mean Well ⊕	SP-300-24	+24V@0-12.5A at 230VAC; 0-10A at 115VAC	300.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
394206CB	Mean Well ⊕	SP-300-27	+27V@0-11A	297.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	181.95	159.70	143.80
161980CB	Mean Well ⊕	SP-300-48	+48V@0-6.25A at 230VAC; 0-5A at 115VAC	300.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	181.95	154.66	115.99
244734CB	Mean Well	SP-320-5 ✪	+5V@0-55A at 230VAC; 0-44A at 115VAC	275.0W	150	1	0.5	UL/CUL/TUV/CE/CB	$146.95 132.95	119.65	107.69
394214CB	Mean Well ⊕	SP-320-7.5	+7.5V@0-40A	300.0W	150	1	0.5	UL/CUL/TUV/CE/CB	146.95	126.95	118.99
244742CB	Mean Well ⊕	SP-320-12	+12V@0-25A at 230VAC; 0-20A at 115VAC	300.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	146.95	126.95	118.95
244751CB	Mean Well ⊕	SP-320-24	+24V@0-13A at 230VAC; 0-10.4A at 115VAC	312.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	146.95	126.95	118.95
244769CB	Mean Well ⊕	SP-320-48	+48V@0-6.7A at 230VAC; 0-5.4A at 115VAC	321.6W	240	0.5	0.2	UL/CUL/TUV/CE/CB	146.95	126.95	118.95
216776CB	Mean Well ⊕	S-320-5	+5V@0-50A	250.0W	150	1	0.5	UL/CUL	124.95	112.80	101.50
207212CB	Mean Well ⊕	S-320-7.5	+7.5V@0-36A	270.0W	150	0.5	0.5	UL/CUL	124.95	112.80	101.50
207204CB	Mean Well ⊕	S-320-12	+12V@0-25A	300.0W	150	0.5	0.5	UL/CUL	124.95	112.80	101.50
374993CB	Mean Well ⊕	S-320-15	+15V@0-20A	300.0W	150	0.5	0.5	UL/CUL	146.95	126.95	118.99
196656CB	Mean Well ⊕	S-320-24	+24V@0-12.5A	300.0W	150	0.5	0.5	UL/CUL	124.95	112.80	101.50
207191CB	Mean Well ⊕	S-320-48	+48V@0-6.5A	312.0W	240	0.5	0.5	UL/CUL	124.95	112.80	101.50
301372CB	Mean Well ⊕	SP-480-12	+12V@0-40A at 230VAC; 0-36A at 115VAC	480.0W	120	0.5	0.3	UL/CUL/TUV/CE/CB	293.95	253.68	228.33
301321CB	Mean Well ⊕	SP-480-24	+24V@0-20A at 230VAC; 0-18A at 115VAC	480.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB	293.95	253.68	228.33
301401CB	Mean Well ⊕	SP-480-48	+48V@0-10A at 230VAC; 0-9A at 115VAC	480.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB	293.95	253.68	228.33

Call for special versions and large quantities

* Primary Output ✪ Blue Part No. = Limited Quantity Available

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

We offer free technical documents for most of the products we carry.
Find them easily on the product specification pages @ www.Jameco.com

Color Code Legend: New Sale Lower$ QtySave

500-Watt Enclosed with Power Factor Correction

SP-500 Series: Single Output



- 100% full-load burn-in
- Input: 88-264VAC, 120-370VDC
- 3.6 watts/in³ maximum • Remote control
- Auto cooling fan • Voltage adjustment: 10%
- No minimum load required
- Input: 100-240VAC @ 50-60Hz
- Mating connector: P/N 103587CB pg 146
- Mounting hardware:use P/Ns 222199CB, 222156CB & 222172CB
- -10˚ to +60˚C working temperature
- Three-year warranty • See www.Jameco.com for specifications

600-Watt Enclosed

SE-600 Series: Single Output



- AC input range switch selectable
- AC input active surge current limiting
- Inrush current: 30A @ 115VAC
- Leakage current: <2mA @ 240VAC
- Short circuit/overload/over-voltage/ over-temperature protection
- -20˚ to +60˚C working temperature
- Size: 9.7"L x 5.0"W x 2.5"H
- Two-year warranty
- See www.Jameco.com for specifications

600-Watt Enclosed with Current Sharing

SCN-600 Series: Single Output



- 100% full-load burn-in
- Auto cooling fan
- No minimum load required
- Voltage adjustment: 5%
- 3.7 watts/in³ maximum
- Universal AC input: 90-130/180-260VAC @ 47-63Hz
- Parallel operation (current sharing)
- Remote sense and control
- Mating connector: P/N 103587CB, pg 146
- -10˚ to +65˚C working temperature; (+50˚ to -65˚C @ 50% load)
- Mounting hardware: use P/Ns 222156CB & 222172CB
- Two-year warranty
- See www.Jameco.com for specifications

600-Watt Enclosed with Power Factor Correction

SCP-600 Series: Single Output



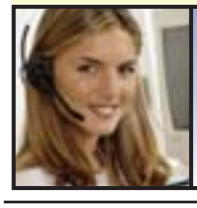
- Input: 180-260VAC @ 47-63Hz/260-370VDC
- PFC: >0.98 @ 230VAC
- Short circuit/overload/over-voltage/ over-temperature protection
- Built-in remote sense function, and remote ON-OFF function
- Power good signal
- With parallel function (N +1)
- Adjustable from 20% to 100% output voltage by external control 1V to 5V
- Forced air cooling by built-in DC fan
- Mating connector: P/N 103587CB or 302877CB, pg 146
- Working temperature: -20˚C to +65˚C
- Three-year warranty • See www.Jameco.com for specifications

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Output Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	Pricing 10	Pricing 25
190692CB	Mean Well ⊕	SP-500-12	+12V@0-40A at 230VAC; 0-34A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	**$249.95**	**$216.10**	**$194.50**
212388CB	Mean Well ⊕	SP-500-13.5	+13.5V@0-36A at 230VAC; 0-30.6A at 115VAC	486.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	**249.95**	**212.46**	**159.34**
213604CB	Mean Well ⊕	SP-500-15	+15V@0-32A at 230VAC; 0-27.2A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	**239.95**	**203.96**	**152.97**
147053CB	Mean Well ⊕	SP-500-24	+24V@0-20A at 230VAC; 0-17A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	**249.95**	**216.10**	**194.50**
190705CB	Mean Well ⊕	SP-500-27	+27V@0-18A at 230VAC; 0-15.3A at 115VAC	486.0W	200	0.5	0.5	UL/CUL/TUV/CE/CB	**249.95**	**216.10**	**194.50**
161795CB	Mean Well ⊕	SP-500-48	+48V@0-10A at 230VAC; 0-8.5A at 115VAC	480.0W	300	0.5	0.5	UL/CUL/TUV/CE/CB	**249.95**	**216.10**	**194.50**
374002CB	Mean Well ⊕	SE-600-05	+5V@0-100A	500.0W	150	2	0.5	UL/CUL	**173.95**	**156.59**	**140.89**
374011CB	Mean Well ⊕	SE-600-12	+12V@0-50A	600.0W	150	0.5	0.5	UL/CUL	**173.95**	**156.59**	**140.89**
291522CB	Mean Well ⊕	SE-600-15	+15V@0-40A	600.0W	150	0.5	0.5	UL/CUL/CB	**173.95**	**156.59**	**140.89**
295902CB	Mean Well ⊕	SE-600-24	+24V@0-25A	600.0W	150	0.5	0.5	UL/CUL/CB	**173.95**	**156.59**	**140.89**
295911CB	Mean Well ⊕	SE-600-27	+27V@0-22.2A	599.4W	150	0.5	0.5	UL/CUL/CB	**173.95**	**156.59**	**140.89**
295929CB	Mean Well ⊕	SE-600-48	+48V@0-12.5A	600.0W	200	0.5	0.5	UL/CUL/CB	**173.95**	**156.59**	**140.89**
220249CB	Mean Well ⊕	SCN-600-05	+5V@0-100A	500.0W	100	2	0.5	UL/CUL/CB	**273.95**	**213.99**	**197.99**
220257CB	Mean Well ⊕	SCN-600-12	+12V@0-50A	600.0W	120	1	0.5	UL/CUL/CB	**273.95**	**213.99**	**197.99**
374045CB	Mean Well ⊕	SCN-600-15	+15V@0-40A	600.0W	150	0.5	0.5	UL/CUL/CB	**273.95**	**213.99**	**197.99**
220265CB	Mean Well ⊕	SCN-600-24	+24V@0-25A	600.0W	240	1	0.5	UL/CUL/CB	**273.95**	**213.99**	**197.99**
374061CB	Mean Well ⊕	SCN-600-48	+48V@0-12A	600.0W	480	0.5	0.5	UL/CUL/CB	**273.95**	**213.99**	**197.99**
388631CB	Mean Well ⊕	SCP-600-12	+12V@0-50A	600.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	**356.25**	**308.75**	**293.31**
388640CB	Mean Well ⊕	SCP-600-15	+15V@0-40A	600.0W	140	0.5	0.5	UL/CUL/TUV/CE/CB	**356.25**	**308.75**	**293.31**
374264CB	Mean Well ⊕	SCP-600-24	+24V@0-25A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	**356.25**	**308.75**	**293.31**
374301CB	Mean Well ⊕	SCP-600-48	+48V@0-12A	576.0W	480	0.5	0.5	UL/CUL/TUV/CE/CB	**356.25**	**308.75**	**293.31**

Call for special versions and large quantities

* Primary Output

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



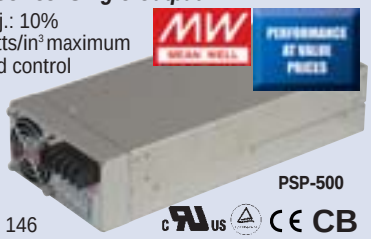
We're Listening to Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

500 to 1500W Enclosed Switching AC-to-DC Power Supplies

500, 1000 & 1500-Watt Enclosed with Power Factor Correction & Current Sharing

PSP-500, PSP-1000 & PSP-1500 Series: Single Output



- 100% full-load burn-in • Voltage adj.: 10%
- No minimum load required • 3.6 watts/in³ maximum
- Auto cooling fan • Remote sense and control
- Universal AC input: 90-264VAC @ 47-63Hz, 127-370VDC (PSP-500 and PSP-1000) 176-264VAC @ 47-63Hz, 248-370VDC (PSP-1500)
- Parallel operation (current sharing)
- Mating connector: P/N 103587CB, pg 146
- -10˚ to +60˚C working temperature
- Mounting hardware: use P/Ns 222156CB & 222172CB
- Three-year warranty • See www.Jameco.com for specifications

600-Watt Enclosed with Power Factor Correction

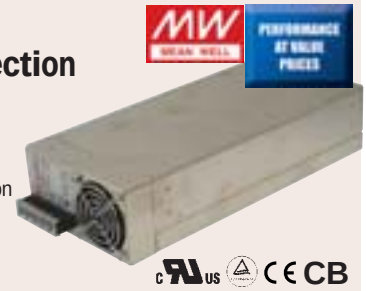
PSP-600 Series: Single Output



- Input: 88-264VAC, 124-370VDC
- Parallel function
- Built-in active PFC function
- Forced air cooling by built-in DC fan
- Built-in remote ON-OFF control, and remote sense function
- Current sharing up to 2400W (3 +1)
- Short circuit/overload/over-voltage/ over-temperature protection
- Input: 88-264VAC @ 47-64Hz/124-370VDC
- Mating connector: P/N 103587CB or 302877CB, pg 146
- Working temperature: -20˚C to +50˚C
- Three-year warranty • See www.Jameco.com for specifications

750-Watt Enclosed with Power Factor Correction

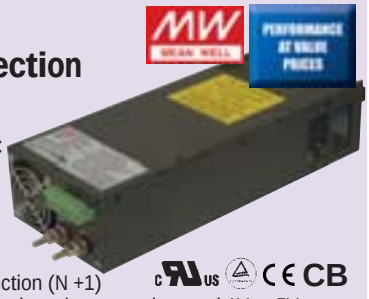
SP-750 Series: Single Output



- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz, 127-370VDC
- Short circuit/overload/over-volt protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- High operating temperature up to 70˚C
- Cooling by built-in fan
- Built-in active PFC function, PF>0.95
- Built-in constant current limiting circuit
- Built-in remote ON-OFF control
- Built-in remote sense function
- Mating connector: 103587CB, pg 146
- High power density: 5.48W/in³
- Power-good and fail-signal outputs
- Three-year warranty

800-Watt Enclosed with Power Factor Correction

SCP-800 Series: Single Output



- Input: 180-260VAC @ 47-63Hz/ 260-370VDC • PFC: >0.98 @ 230VAC
- Short circuit/overload/over-voltage/ over-temperature protection
- Forced air cooling by built-in DC fan
- Built-in remote sense function, and remote ON-OFF function
- Power good signal • With parallel function (N +1)
- Adjustable from 20% to 100% output voltage by external control 1V to 5V
- Mating connector: P/N 103587CB or 302877CB, pg 146
- Working temperature: -20˚C to +65˚C
- Three-year warranty • See www.Jameco.com for specifications

Open-Frame Power Supplies on pages 190-195.

For PC Power Supplies, see page 246.

SALE

Jameco Part No.	Manufacturer	Product No.	Output Voltage@Current (min-max)	Power	Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing 1	10	25
190713CB	Mean Well ⊕	PSP-500-12	+12V@0-41.5A at 230VAC; 0-33.2A at 115VAC	498.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	$269.95	$232.09	$216.69
202121CB	Mean Well	PSP-500-15	+15V@0-33A at 230VAC; 0-26.4A at 115VAC	498.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	$249.95 156.49	142.25	129.35
190721CB	Mean Well ⊕	PSP-500-24	+24V@0-20.8A at 230VAC; 0-16.6A at 115VAC	499.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB	269.95	242.96	218.66
190730CB	Mean Well ⊕	PSP-500-27	+27V@0-18.5A at 230VAC; 0-14.8A at 115VAC	499.5W	150	0.5	0.2	UL/CUL/TUV/CE/CB	269.95	229.46	172.09
190748CB	Mean Well ⊕	PSP-500-48	+48V@0-10.5A at 230VAC; 0-8.4A at 115VAC	504.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	269.95	232.95	216.95
374213CB	Mean Well ⊕	PSP-600-12	+12V@0-50A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374221CB	Mean Well ⊕	PSP-600-15	+15V@0-40A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374230CB	Mean Well ⊕	PSP-600-24	+24V@0-25A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374256CB	Mean Well ⊕	PSP-600-27	+27V@0-22.2A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
374248CB	Mean Well ⊕	PSP-600-48	+48V@0-12.5A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	199.99	191.19	181.65
319943CB	Mean Well ⊕	SP-750-12	+12V@0-62.5A	750.0W	120	2	0.5	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
374029CB	Mean Well ⊕	SP-750-15	+15V@0-50A	750.0W	120	0.5	0.3	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
320047CB	Mean Well ⊕	SP-750-24	+24V@0-31.3A	750.0W	120	0.5	0.2	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
374037CB	Mean Well ⊕	SP-750-27	+27V@0-27.8A	750.0W	120	0.5	0.2	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
320055CB	Mean Well ⊕	SP-750-48	+48V@0-15.7A	750.0W	120	0.5	0.2	UL/CUL/TUV/CE/CB	399.95	359.95	323.95
388615CB	Mean Well ⊕	SCP-800-12	+12V@0-66A	792.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
388623CB	Mean Well ⊕	SCP-800-15	+15V@0-53A	795.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
374310CB	Mean Well ⊕	SCP-800-24	+24V@0-33A	792.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
374336CB	Mean Well ⊕	SCP-800-48	+48V@0-16A	768.0W	480	0.5	0.5	UL/CUL/TUV/CE/CB	441.75	403.75	383.56
217373CB	Mean Well ⊕	PSP-1000-5	+5V@0-145A at 230VAC; 0-123.3A at 115VAC	725.0W	100	2	0.5	UL/CUL/TUV/CE/CB	499.95	424.96	318.72
217365CB	Mean Well ⊕	PSP-1000-12	+12V@0-75A at 230VAC; 0-63.8A at 115VAC	900.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	$523.95 318.29	289.35	263.05
231642CB	Mean Well✪	PSP-1000-13.5	+13.5V@0-67A at 230VAC; 0-57.8A at 115VAC	1000.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	449.95	404.95	364.49
231634CB	Mean Well	PSP-1000-15	+15V@0-60A at 230VAC; 0-51A at 115VAC	900.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	449.95	404.95	364.49
217357CB	Mean Well ⊕	PSP-1000-24	+24V@0-37.6A at 230VAC; 0-32A at 115VAC	902.4W	150	0.5	0.2	UL/CUL/TUV/CE/CB	523.95	442.19	402.59
231651CB	Mean Well ⊕	PSP-1000-27	+27V@0-33.6A at 230VAC; 0-28.6A at 115VAC	907.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB	523.95	445.36	334.02
217349CB	Mean Well ⊕	PSP-1000-48	+48V@0-19A at 230VAC; 0-16.2A at 115VAC	912.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	523.95	442.19	402.59
231669CB	Mean Well	PSP-1500-5	+5V@0-217.5A	1087.5W	100	2	0.5	UL/CUL/TUV/CE/CB	699.95	629.99	566.99
373261CB	Mean Well ⊕	PSP-1500-12	+12V@0-112.5A	1350.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	747.65	663.25	619.25
231685CB	Mean Well ⊕	PSP-1500-13.5	+13.5V@0-100.5A	1356.7W	150	0.5	0.3	UL/CUL/TUV/CE/CB	479.99	436.42	396.74
231693CB	Mean Well	PSP-1500-15	+15V@0-90.0A	1350.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB	$699.95 446.59	405.99	369.09
373923CB	Mean Well ⊕	PSP-1500-24	+24V@0-56.4A	1353.6W	150	0.5	0.2	UL/CUL/TUV/CE/CB	747.65	663.25	619.25
231714CB	Mean Well ⊕	PSP-1500-27	+27V@0-50.4A	1360.8W	150	0.5	0.2	UL/CUL/TUV/CE/CB	786.95	663.25	619.25
231722CB	Mean Well ⊕	PSP-1500-48	+48V@0-28.5A	1368.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB	786.95	663.25	619.25

Call for special versions and large quantities

* Primary Output ✪ Blue P/N = Limited Quantity Available

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

DIN-Rail Switching Power Supplies

UL-508


373181CB (Fig. 1)


192698CB (Fig. 2)

212290CB (Fig. 3)


212273CB (Fig. 4)


221891CB (Fig. 5)



252662CB (Fig. 6)

- Low cost, high reliability
- Universal AC input range
- Soft-start circuit, limiting AC surge current
- Short-circuit, overload, over-voltage protected
- 100% full-load burn-in test
- For DIN-Rail terminal blocks see page 144

248735CB DIN Mounting Rail


Part No.	Product No.	Fig.	Power (W)	Output Volts@Curr.	Input Voltage (VAC @ Hz/VDC)	Input Current @ Maximum Load	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
373173CB	DR-30-5 ⊕	1	15	5VDC @ 3A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	$39.99	$35.99	$32.39
373181CB	DR-30-12 ⊕	1	24	12VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	39.99	35.99	32.39
373190CB	DR-30-15 ⊕	1	30	15VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	39.99	35.99	32.39
373202CB	DR-30-24 ⊕	1	36	24VDC @ 1.5A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	39.99	35.99	32.39
212302CB	DR-4505 ⊕	2	25	5VDC @ 5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	45.95	35.19	32.99
192698CB	DR-4512 ⊕	2	42	12VDC @ 3.5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	45.95	35.19	32.99
221874CB	DR-4515 ⊕	2	42	15VDC @ 2.8A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	45.95	35.19	32.99
192680CB	DR-4524 ⊕	2	48	24VDC @ 2A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	45.95	35.19	32.99
373211CB	DR-60-5 ⊕	1	32.5	5VDC @ 6.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
373229CB	DR-60-12 ⊕	1	54	12VDC @ 4.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
373237CB	DR-60-15 ⊕	1	60	15VDC @ 4A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
373245CB	DR-60-24 ⊕	1	60	24VDC @ 2.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	50.89	45.80	41.22
212290CB	DR-7512 ⊕	3	75	12VDC @ 6.3A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	73.95	56.09	51.69
212281CB	DR-7524 ⊕	3	75	24VDC @ 3.2A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	73.95	56.09	51.69
212273CB	DR-12012 ⊕	4	120	12VDC @ 10A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	85.95	64.89	60.49
212265CB	DR-12024 ⊕	4	120	24VDC @ 5A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	85.95	64.89	60.49
221903CB	DR-12048 ⊕	4	120	48VDC @ 2.5A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	76.95	69.26	62.33
221891CB	DRP-24024† ⊕	5	240	24VDC @ 10A	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	156.95	141.26	127.13
221882CB	DRP-24048† ⊕	5	240	48VDC @ 5.0A	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	156.95	141.26	127.13
373122CB	DRT-240-24 ⊕	5	240	24VDC @ 10A	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	172.35	155.12	139.60
373114CB	DRT-240-48 ⊕	5	240	48VDC @ 5A	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	172.35	155.12	139.60
252662CB	DRP-48024† ⊕	6	480	24VDC @ 20A	180-264 @ 47-63/25-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	218.95	207.99	197.60
252654CB	DRP-48048† ⊕	6	480	48VDC @ 10A	180-264 @ 47-63/25-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	218.95	207.99	197.60
295937CB	DRP-480S-24† ⊕	6	480	24VDC @ 20A	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	225.35	215.03	204.28
301305CB	DRP-480S-48† ⊕	6	480	48VDC @ 10A	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	225.35	215.03	204.28
372576CB	DRT-480-24 ⊕	6	480	24VDC @ 20A	3-phase 340-550 @ 47-63/480-750	1.7A(400V)/1.3A(500V)	8.9 x 3.9 x 4.9	5.5	206.95	186.26	167.63
373106CB	DRT-480-48 ⊕	6	480	48VDC @ 10A	3-phase 340-550 @ 47-63/480-750	1.7A(400V)/1.3A(500V)	8.9 x 3.9 x 4.9	5.5	206.95	186.26	167.63

Part No.	Cross Ref. No.	Description	Material	Type	Length	1	10	100
248735CB	2094.0 ⊕	Prepunched DIN mounting rail	Zinc bichromate plate steel	TS35 x 7.5	1 meter (39")	$6.79	$5.45	$4.10

*Switch selectable † With Power Factor Correction

DIN-Rail Switching Power Supplies NEW


478653CB SDN Series

Part No.	Product No.	Power (W)	Output Volts@Current	Input Voltage (VAC @ Hz/VDC)	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
478661CB	SDP3-15-100T♠	15	12-15VDC @ 4.2-3.4A	85-264 @ 43-67/90-375	2.9 x 1.7 x 3.5	0.5	$115.15	$111.57	$108.02
478645CB	SCP30S5-DN♠	30	5VDC @ 6A	85-264 @ 50/60	4.7 x 2.5 x 1.2	1.5	112.89	111.74	110.62
478653CB	SDN2.5-24-100P♠	60	24-28VDC @ 2.5A	85-132/176-264 @ 47-63/90-375	4.5 x 1.9 x 4.8	1.6	125.09	122.29	119.48

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

13.8VDC Precision Regulated Power Supplies

- Heavy duty 5'8" 3-prong power cord
- Illuminated rocker switch
- Short-circuit protection
- Fuse protected
- Output mating terminals: see pg 148 for cigarette plugs & pg 272 for banana terminal plugs

135845CB Banana/ Cigarette


136581CB Banana terminal


138667CB Banana terminal (rear)


Part No.	Model No.	Power (W)	Output Volts@Curr.	Input Voltage	Output Terminals	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
135845CB	RPS1204 ⊕	55.2	13.8VDC @ 4A	115VAC @ 60Hz	Banana terminals / cigarette plug	6.7 x 5.2 x 3.2	5.5	$29.95	$26.95	$23.95
136581CB	RPS1207† ⊕	96.6	13.8VDC @ 7A	115VAC @ 60Hz	Banana terminals	8.7 x 5.7 x 3.6	8.5	59.95	53.95	48.95
138667CB	38-381 ⊕	138.0	13.8VDC @ 10A	115VAC @ 60Hz	Banana terminals (rear)	7.0 x 6.6 x 4.3	10.0	69.95	62.95	56.95
138675CB	52-192012 ⊕	276.0	13.8VDC @ 20A	115VAC @ 60Hz	Banana terminals	10.0 x 7.8 x 4.4	15.9	109.95	99.95	89.95

† P/N 136581CB includes overheating protection

12 and 24VDC Precision Regulated Power Supplies

- Input voltage: 117VAC @ 60Hz
- Fuse and auto circuit breaker overload protection
- 3-prong heavy duty grounded AC power cord
- Universal binding posts
- Filtered output

NEW


540736CB


540728CB

Part No.	Model No.	Power (W)	Output Volts @ Curr.	Size (L" x W" x H")	Wt. (lbs.)	1	5
540736CB	PSR-2/24 ♠	75	24VDC @ 2A	6.75 x 4.25 x 2.75	4.0	$43.85	$39.47
540728CB	PSR-10 ♠	250	12VDC @ 10A	7.75 x 1.50 x 4.50	9.25	69.05	62.15

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

5-24VDC Linear Power Supplies

478670CB/478688CB:

- Easy-to-install screw terminal connections
- Industry standard footprint
- Automatic resetting overload protection
- Short circuit protected
- Fast transient response; ideal for test applications
- Low noise, extremely quiet DC output for noise sensitive or analog circuitry

Part No.	Model No.	Input Voltage	Output Volts@Curr.	1	10	25
478670CB	SLS-05-030-1T♠	100-240VAC selectable	5VDC @ 3A	$41.09	$40.66	$40.26
478688CB	SLS-24-012T♠	100-240VAC selectable	24VDC @ 1.2A	41.09	40.66	40.26
478637CB	83-24-225-3♠	104-127VAC, 208-254VAC	24VDC @ 2.5A ...	130.95	129.65	128.35

478637CB: NEW

- Low noise output
- Remote sensing
- Designed for both bench and rack use
- Current limiting - automatic reset
- Completely protected short circuit proof; automatic foldback
- Isolated floating output
- UL Recognized, CSA Certified



478637CB

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

0.5 to 10-Watt Isolated DC-to-DC Converters

0.5 & 1-Watt Regulated & Unregulated Encapsulated

- 1000VDC isolation
- Input filter: capacitor type
- Protection: short-circuit
- 100% burn-in test
- Working temp.: -15 to +60˚C
- One-year warranty
- No external components needed



3 & 5-Watt Regulated Encapsulated

- 1000VDC isolation
- Input filter: Pi network
- 2:1 wide input range
- 100% burn-in test
- Shielded metal case
- One-year warranty
- Working temperature: -15 to +60˚C
- No external components needed
- Protection: short-circuit & overload



Jameco Part No.	Product No.	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
213225CB	SRS-0505	4.5-5.5V	+5V@100mA	0.5W	0.88x0.39x0.33	8	1.0	1.0	100	~~$5.39~~ $4.89	$4.45	$4.05	$3.69
216830CB	SPR01L-12 ⊕	4.5-5.5V	+12V@84mA	1W	0.77x0.28x0.4	4	1.0	1.0	100	10.95	9.85	8.89	6.67
213268CB	SCW03A-05 ⊕	9-18V	+5V@600mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	15.49	13.95	12.59	11.29
155918CB	DCW03A-05 ⊕	9-18V	+5V@300mA; -5V@300mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	20.95	18.89	16.99	15.29
161701CB	DCW03A-12 ⊕	9-18V	+12V@125mA; -12V@125mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	20.95	18.89	16.99	15.29
220388CB	SLW05L-12 ⊕	4.5-9V	+12V@417mA	5W	2x1x0.44	5	0.2	0.5	100	24.95	22.49	20.25	18.25
220353CB	SLW05A-033 ⊕	9-18V	+3.3V@1500mA	5W	2x1x0.44	5	0.2	0.5	100	19.95	17.95	16.16	14.54
216928CB	SLW05A-05 ⊕	9-18V	+5V@1000mA	5W	2x1x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216881CB	SLW05A-15 ⊕	9-18V	+15V@333mA	5W	2x1x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216936CB	SLW05B-05 ⊕	18-36V	+5V@1000mA	5W	2x1x0.44	5	1.0	0.2	100	24.95	22.49	20.25	18.25
216910CB	SLW05B-12 ⊕	18-36V	+12V@417mA	5W	2x1x0.44	5	1.0	0.2	100	21.95	19.76	17.78	16.00
213233CB	SLW05C-05 ⊕	36-72V	+5V@1000mA	5W	2x1x0.44	5	1.0	0.2	100	17.25	15.50	13.95	12.56

10-Watt Encapsulated

- Isolation voltage: 1000VDC
- Input filter: Pi-network
- 100% burn-in test
- 2:1 wide input range
- Shielded metal case
- Protection: short-circuit & overload
- Working temperature: -15 to +60˚C
- Industry standard package
- Free-air convection cooling
- One-year warranty



Quantity SAVE

Jameco Part No.	Product No.	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
216961CB	SKE10A-05 ⊕	9-18V	+5V@2000mA	10W	2x1x0.44	5	0.3	1.0	50	$33.95	$30.55	$26.95	$24.55
216979CB	SKE10A-15 ⊕	9-18V	+15V@666mA	10W	2x1x0.44	5	0.3	1.0	60	33.95	30.56	24.44	18.33
220337CB	SKE10B-033 ⊕	18-36V	+3.3V@2400mA	8W	2x1x0.44	5	0.3	0.5	50	~~$33.95~~ 29.95	26.99	21.59	16.19
216952CB	SKE10B-05 ⊕	18-36V	+5V@2000mA	10W	2x1x0.44	5	0.3	0.5	50	33.95	30.55	26.95	24.55
217023CB	SKE10B-12 ⊕	18-36V	+12V@840mA	10W	2x1x0.44	5	0.3	0.5	60	29.95	26.96	24.26	21.34
216944CB	SKE10C-05 ⊕	36-72V	+5V@2000mA	10W	2x1x0.44	5	0.3	1.0	50	33.95	30.56	24.44	18.33
217031CB	DKE10A-05 ⊕	9-18V	+5V@1000mA; -5V@1000mA	10W	2x1x0.44	5	0.3	0.5	50	34.95	31.46	25.16	18.87
217091CB	DKE10A-12 ⊕	9-18V	+12V@420mA; -12V@420mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45
217111CB	DKE10A-15 ⊕	9-18V	+15V@333mA; -15V@333mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45
217074CB	DKE10B-15 ⊕	18-36V	+15V@333mA; -15V@333mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.45	27.95	25.45
217103CB	DKE10C-12	36-72V	+12V@420mA; -12V@420mA	10W	2x1x0.44	5	0.3	0.5	60	34.95	31.46	25.16	18.87

For Complete Specifications visit www.Jameco.com

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

www.Jameco.com

Our enhanced website offers nearly 15,000 more products. Find them quickly and order them easily!

15 to 150-Watt Isolated DC-to-DC Converters

RoHS RoHS Compliant Product ⊕ RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

15-Watt Encapsulated



- Isolation voltage: 1000VDC
- Free-air convection cooling
- Input filter: Pi network
- Shielded metal case
- 2:1 wide input range
- Working temperature: -15˚ to +60˚C
- 100% burn-in test
- Protection: short-circuit & overload
- One-year warranty

Jameco Part No.	Product No.	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
155715CB	SKE15A-05 ⊕	9-18V	+5V@3000mA	15W	2x2x0.43	5	0.3	0.5	50	$34.95	$31.49	$28.15	$25.35
155707CB	SKE15A-12 ⊕	9-18V	+12V@1250mA	15W	2x2x0.43	5	0.3	0.5	60	34.95	31.19	28.15	25.35
155694CB	SKE15A-24 ⊕	9-18V	+24V@625mA	15W	2x2x0.43	5	0.3	0.5	80	34.95	31.49	28.15	25.35
213276CB	SKE15B-05 ⊕	18-36V	+5V@3000mA	15W	2x2x0.43	5	0.3	0.5	50	34.95	31.49	28.15	25.35
213284CB	SKE15B-12 ⊕	18-36V	+12V@1250mA	15W	2x2x0.43	5	0.3	0.5	60	34.95	31.49	28.15	25.35
161728CB	DKE15A-12 ⊕	9-18V	+12V@625mA; -12V@625mA	15W	2x2x0.43	5	0.3	0.5	60	35.95	32.36	25.88	19.41
213292CB	DKE15A-24 ⊕	9-18V	+24V@313mA; -24V@313mA	15W	2x2x0.43	5	0.3	0.5	80	32.95	29.69	26.90	24.05

20-Watt Encapsulated



- Isolation voltage: 1000VDC
- Output trim
- Free-air convection cooling
- Working temp.: -40˚ to +71˚C
- Industry standard package
- 100% burn-in test
- Shielded metal case
- Input filter: Pi network
- Protection: short-circuit & overload
- One-year warranty

Jameco Part No.	Product No.	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
217630CB	DKB20A-05 ⊕	9-18V	+5V@2000mA; -5V@2000mA	20W	1.2x2x0.82	8	0.2	0.2	100	~~$44.95~~ $39.95	$35.96	$32.36	$29.12
217613CB	DKB20C-15 ✪	36-72V	+15V@667mA; -15V@667mA	20W	1.2x2x0.82	8	0.2	0.2	100	25.89	24.60	23.37	22.20
217648CB	TKB20C-B ⊕	36-72V	+5V@2500mA; ±12V@310mA	20W	1.2x2x0.82	8	0.2	0.2	100	37.79	33.99	32.75	31.72

✪ Blue Part No. = Limited Quantity Available

30-Watt Encapsulated



- Isolation voltage: 1000VDC
- 2:1 wide input range
- Working temperature: -25˚ to +85˚C
- Input filter: Pi-network
- Shielded metal case
- 100% burn-in test
- Output trim
- Remote ON/OFF
- One-year warranty
- Protection: short-circuit, overload & over-voltage

Jameco Part No.	Product No.	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
217234CB	SDM30-12S12 ⊕	9-18V	+12V@2100mA	25.2W	2x1.8x0.62	8	1.0	1.0	100	$34.95	$31.77	$28.88	$26.26
217242CB	SDM30-24S12 ⊕	18-36V	+12V@2500mA	30W	2x1.8x0.62	8	1.0	1.0	100	45.95	41.35	37.25	33.55

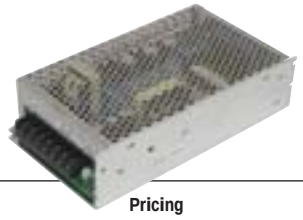
25-Watt Enclosed



- Isolation voltage: 500VDC
- 2:1 wide input range
- Working temperature: -10˚ to +60˚C
- Protection: short-circuit, overload and over-voltage
- Input filter: Pi-network
- Shielded metal case
- 100% burn-in test
- One-year warranty
- See www.Jameco.com for specifications

Jameco Part No.	Product No.	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
175661CB	SD-25A-5 ⊕	9-18V	+5V@5000mA	25W	see www.Jameco.com	5	0.5	0.5	100	$40.95	$30.99	$28.99	$24.99
175804CB	SD-25A-12 ⊕	9-18V	+12V@2100mA	25.2W	see www.Jameco.com	5	0.3	0.3	120	37.95	34.16	27.32	20.49
175812CB	SD-25A-24 ⊕	9-18V	+24V@1100mA	26.4W	see www.Jameco.com	5	0.2	0.2	150	40.95	30.99	28.99	24.99

50, 100 & 150-Watt Enclosed



- Isolation voltage: 1500VDC
- One-year warranty
- 2:1 wide input range
- Protection: short-circuit, overload and over-voltage
- Mounting hardware: use P/Ns 222156CB & 222172CB
- Input filter: Pi-network
- Shielded metal case
- Working temperature: -10˚ to +60˚C
- 100% burn-in test
- See www.Jameco.com for specifications

Jameco Part No.	Product No.	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
212548CB	SD-50A-5 ⊕	9-18V	+5V@10A	50W	see www.Jameco.com	5	0.5	0.5	100	$35.79	$32.53	$29.58	$26.89
212530CB	SD-50B-12 ⊕	19-36V	+12V@4.2A	50.4W	see www.Jameco.com	5	0.3	0.3	120	51.95	46.76	42.08	28.05
212513CB	SD-50B-24 ⊕	19-36V	+24V@2.1A	50.4W	see www.Jameco.com	5	0.2	0.2	150	35.79	32.21	25.77	24.15
212505CB	SD-50C-12 ⊕	36-72V	+12V@4.2A	50.4W	see www.Jameco.com	5	0.3	0.3	120	51.95	39.99	36.99	32.99
216565CB	SD-100B-12 ⊕	19-36V	+12V@8.5A	102W	see www.Jameco.com	7	0.3	0.3	120	~~$72.95~~ 59.95	53.96	43.16	32.37
212468CB	SD-100C-12 ⊕	36-72V	+12V@8.5A	102W	see www.Jameco.com	7	0.3	0.3	120	63.95	53.99	50.99	44.99
217269CB	SD-150B-12 ⊕	19-36V	+12V@12.5A	150W	see www.Jameco.com	7	0.5	0.5	120	82.95	70.99	65.99	57.99

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

10-Watt Open Frame

ARTESYN TECHNOLOGIES

CXA10 Series: Single Output

- Isolation voltage: 1500VDC
- Industry standard footprint
- Remote ON/OFF
- 4:1 input voltage range
- Protection: short-circuit & overload
- Working temp.: -40 to +100˚C
- See www.Jameco.com for specifications
- 100% burn-in test
- Two-year warranty

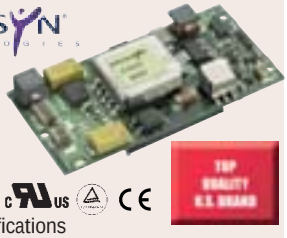


15-Watt Open Frame

ARTESYN TECHNOLOGIES

CXE15 Series: Single Output

- Isolation voltage: 1500VDC
- Industry standard footprint
- Remote ON/OFF
- No minimum load
- Protection: over-voltage & over-current
- Working temperature: -40˚ to +65˚C
- Output trim
- See www.Jameco.com for specifications
- 100% burn-in test
- Two-year warranty

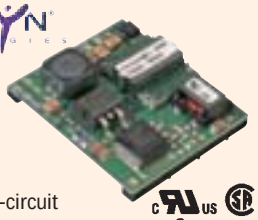


20-Watt Open Frame

ARTESYN TECHNOLOGIES

CXA20 Series: Single Output

- Isolation voltage: 1500VDC
- Output trim
- Industry standard footprint
- 100% burn-in test
- 4:1 input voltage range
- Protection: over-voltage, over-temperature & short-circuit
- Working temperature: -40˚ to +60˚C
- See www.Jameco.com for specifications
- Remote ON/OFF
- No minimum load
- Two-year warranty



60-Watt Open Frame

ARTESYN TECHNOLOGIES

EXQ60 Series: Dual Output

- Isolation voltage: 1500VDC
- Output trim
- Industry standard footprint
- Remote ON/OFF
- No minimum load
- Protection: short-circuit, over-current & over-voltage
- Working temperature: -40˚ to +100˚C
- See www.Jameco.com for specifications
- 100% burn-in test
- Two-year warranty



SALE

Jameco Part No.	Product No.	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing 1	10	25	100
219037CB	CXA10-48S3V3 ✪	18-75V	+3.3V@2400mA	7.9W	2.0x1.0x0.54	6	0.1	0.2	30	$25.55	$24.29	$23.07	$21.92
219045CB	CXA10-48S05 ✪	18-75V	+5.0V@2000mA	10W	2.0x1.0x0.54	6	0.1	0.2	30	25.55	24.29	23.07	21.92
219070CB	CXE15-48S1V8 ✪	33-75V	+1.8V@6000mA	10.8W	2.0x1.0x0.35	6	0.3	2.0	40	24.69	23.48	22.31	21.19
219088CB	CXE15-48S2V5 ✪	33-75V	+2.5V@6000mA	15W	2.0x1.0x0.35	6	0.3	1.5	40	24.69	23.48	22.31	21.19
219053CB	CXE15-48S3V3 ✪	33-75V	+3.3V@4500mA	15W	2.0x1.0x0.35	6	0.1	0.5	70	24.69	23.48	22.31	21.19
219061CB	CXE15-48S05V ✪	33-75V	+5V@3000mA	15W	2.0x1.0x0.35	6	0.1	0.5	70	24.69	23.48	22.31	21.19
219109CB	CXA20-48S3V3 ✪	18-75V	+3.3V@6000mA	19.8W	2.0x1.6x0.41	8	0.1	0.2	75	35.49	33.73	32.04	30.44
218894CB	EXQ60-48D3V3-2V5-R	33-75V	+2.5V@16A; +3.3V@12A	40W	2.3x1.5x0.50	7	—	—	60	76.99	73.23	69.57	66.09
218907CB	EXQ60-48D05-3V3-R ✪	33-75V	+3.3V@15A; +5V@12A	60W	2.3x1.5x0.50	7	—	—	60	76.99	73.23	69.57	66.09

✪ Blue Part No. = Limited Quantity Available

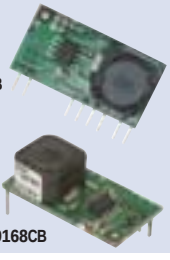
Power

6 to 15-Amp Non-Isolated, Point-of-Load DC-to-DC Converters

6-Amp SIL06C Series

ARTESYN TECHNOLOGIES

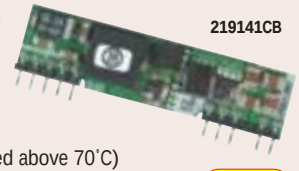
- dI/dt: 10A/µs
- 100% burn-in test
- No minimum load
- Remote ON/OFF
- Ultra-wide trim range
- "Power good" signal
- Planar magnetics technology
- Protection: over-current & short-circuit
- Working temperature: 0˚ to +80˚C (derated above 50˚C)
- Very high MTBF
- Two-year warranty



10-Amp SIL10E Series

ARTESYN TECHNOLOGIES

- dI/dt: 10A/µs
- 100% burn-in test
- No minimum load
- Remote ON/OFF
- 96% efficiency at 3.3V
- Highest power density: 107W/in³
- Planar magnetics technology
- Protection: thermal & short-circuit
- Working temperature: -40˚ to +100˚C (derated above 70˚C)
- Very high MTBF
- Remote sense
- Two-year warranty



SALE

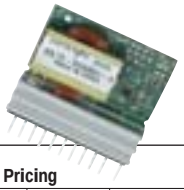
Jameco Part No.	Product No.	Input Range	Output Voltage@Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Temp. ˚C	Efficiency (%)	MTBF (hours)	Pricing 1	10	25	100
219150CB	SIL06C-05SADJ-V ✪	4.5V-5.5V	0.9-3.3V@6A	20W	1.2x0.6x0.07	8	0.2	0.5	0 to +80	89	1,300,000	$8.39	$7.98	$7.58	$7.20
219168CB	SIL06C-05SADJ-H ✪	4.5V-5.5V	0.9-3.3V@6A	20W	1.2x0.6x0.53	8	0.2	0.5	0 to +80	89	1,300,000	8.39	7.98	7.58	7.20
219141CB	SIL10E-05S1V8-V ✪	3.0V-5.5V	1.8V@10A	18W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	92	7,042,000	16.29	15.47	14.69	13.96
219133CB	SIL10E-05S2V5-V ✪	3.0V-5.5V	2.5V@10A	25W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	94	7,042,000	16.29	15.47	14.69	13.96
219117CB	SIL10E-05W3V3-V ✪	4.5V-5.5V	0.8-3.6V@10A	33W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	95	7,042,000	16.29	15.47	14.69	13.96
219125CB	SIL10E-05S3V3-V ✪	4.5V-5.5V	3.3V@10A	33W	2.0x0.5x0.31	11	1.0	1.0	-40 to +100	95	7,042,000	16.29	15.47	14.69	13.96

✪ Blue Part No. = Limited Quantity Available

15-Amp SIL15C Series

ARTESYN TECHNOLOGIES

- dI/dt: 10A/µs
- Ultra-wide trim range
- Working temperature: 0˚ to +80˚C (derated above 50˚C)
- 100% burn-in test
- Protection: over-current & short-circuit
- No minimum load
- Remote ON/OFF
- Two-year warranty



Jameco Part No.	Product No.	Input Range	Output Voltage @ Current	Output Power	Size Inches (LxWxH)	Pins	Line Reg. (±%)	Load Reg. (±%)	Temp. ˚C	Efficiency (%)	Pricing 1	10	25	100
218886CB	SIL15C-05SADJ-V	4.5V-5.5V	0.9V-3.3V@15A	50W	1.20x1.10x0.40	13	0.2	0.5	0 to +80	89	$13.09	$11.89	$10.85	$9.85
218878CB	SIL15C-12SADJ-V ⊕	10.2V-13.8V	0.9V-5V@15A	75W	1.20x1.10x0.40	13	0.2	0.5	0 to +80	91	16.65	15.19	13.74	12.29

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

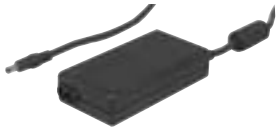
AC-to-DC Regulated Switching Table-Top Power Supplies

Color Code Legend: New | Sale | Lower$ | QtySave

We will change any power plug (pg 148) on any table-top power supply (100 pc. minimum) for a small additional charge.

See page 224 for International Power Cords


249050CB


211300CB


249041CB


220441CB


DIN M

Polarity 1 ⊕—•—⊖ (center negative)


Female


Male

Polarity 2 ⊖—•—⊕ (center positive)

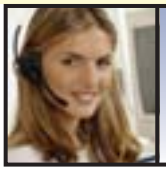
Power	Part Number	Brand ▲	Product Number ▲	Output Pwr (W)	Output Volts (VDC)/ Current (A)	Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
2-Wire AC Input – Regulated Switching																	
12-24 Watt	249050CB	Phihong ⊕	PSA15W-050	12.5	+5/2.5	100-240@50-60	2.5mm x 5.5mm F **2**	No	Black	4.3 x 2.6 x 1.0	6'/ [3]	0.4	UL/CSA/TUV/CE	$19.49	$17.75	$16.39	$14.55
	379612CB	Mean Well ⊕	ES25B05-P1JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377924CB	Mean Well ⊕	P30B-1P2JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	380621CB	Mean Well ⊕	ES25B05-P1MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379760CB	Mean Well ⊕	P30B-1P2MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	25.99	21.79	20.99	20.55
	211300CB	Artesyn ⊕	SSL20-7605	20	+5/4.0	100-240@50-60	2.5mm x 5.5mm F **2**	No	Black	4.2 x 2.3 x 1.0	6'/ [3]	1.5	UL/CSA/VDE/CE	24.95	22.49	20.29	18.25
	379920CB	Mean Well ⊕	ES25B07-P1JU	22	+7.5/2.93	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380672CB	Mean Well ⊕	ES25B07-P1MU	22	+7.5/2.93	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	195805CB	Horizon ⊕	DCR920F12	18	+9/2.0	100-240@50-60	2.1mm x 5.5mm F **2**	Yes	Black	4.2 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	26.95	24.25	21.85	19.65
	195768CB	Horizon ⊕	DCR920F52	18	+9/2.0	100-240@50-60	2.5mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	22.95	20.66	16.52	15.55
	249041CB	Phihong ⊕	PSA15W-120	15	+12/1.25	100-240@50-60	2.1mm x 5.5mm F **2**	No	Black	4.3 x 2.6 x 1.0	6'/ [3]	0.3	UL/CSA/TUV/CE	19.49	17.75	16.39	14.55
	391769CB	Mean Well ⊕	ES18B12-P1JU	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	391777CB	Mean Well ⊕	ES18B24-P1JU	18	+24/0.75	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	196138CB	DVE ⊕	DSA-0283A	23	+5/1, +12/1.49 -5/.43	100-240@47-63	5-pin DIN M	No	Black	4.9 x 2.7 x 1.5	6'/ [3]	0.8	UL/CSA/TUV	16.95	15.25	12.19	9.15
25-29 Watt	379938CB	Mean Well ⊕	ES25B09-P1JU	25	+9/2.78	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380681CB	Mean Well ⊕	ES25B09-P1MU	25	+9/2.78	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377932CB	Mean Well ⊕	P30B-2P2JU	26	+9/2.89	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	379786CB	Mean Well ⊕	P30B-2P2MU	26	+9/2.89	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	25.99	21.79	20.99	20.55
	379946CB	Mean Well ⊕	ES25B12-P1JU	25	+12/2.08	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380701CB	Mean Well ⊕	ES25B12-P1MU	25	+12/2.08	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377941CB	Mean Well ⊕	P30B-3P2JU	27	+12/2.25	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	379794CB	Mean Well ⊕	P30B-3P2MU	27	+12/2.25	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	20.50	19.26
	379954CB	Mean Well ⊕	ES25B15-P1JU	25	+15/1.67	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380710CB	Mean Well ⊕	ES25B15-P1MU	25	+15/1.67	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377959CB	Mean Well ⊕	P30B-4P2JU	27	+15/1.8	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.17	19.14	18.18
	379655CB	Mean Well ⊕	P30B-4P2MU	27	+15/1.8	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	25.99	21.79	20.99	20.55
	379962CB	Mean Well ⊕	ES25B18-P1JU	25	+18/1.39	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380728CB	Mean Well ⊕	ES25B18-P1MU	25	+18/1.39	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379971CB	Mean Well ⊕	ES25B24-P1JU	25	+24/1.04	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380761CB	Mean Well ⊕	ES25B24-P1MU	25	+24/1.04	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	221612CB	Mean Well ⊕	P30B-6P2JU	27	+24/1.1	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	25.95	23.35	20.99	18.99
	379989CB	Mean Well ⊕	ES25B28-P1JU	25	+28/0.89	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380779CB	Mean Well ⊕	ES25B28-P1MU	25	+28/0.89	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	205911CB	Delta ⊕	ADP-25HB	25	+30/0.83	100-125@50-60	2.1mm x 5.5mm F **2**	No	Black	3.5 x 2.4 x 1.2	6'/7'	1.1	UL/CUL	17.49	15.75	12.59	9.45
	379997CB	Mean Well ⊕	ES25B48-P1JU	25	+48/0.52	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380808CB	Mean Well ⊕	ES25B48-P1MU	25	+48/0.52	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
30-65W	220441CB	Horizon ⊕	SL120300RT	36	+12/3.0	100-240@50-60	2.5mm x 5.5mm F **2**†	Yes	Black	4.3 x 2.0 x 1.2	6'/ [3]	0.6	UL/CUL/TUV/CE	29.95	26.99	24.29	21.85
	230498CB	Phihong ⊕	PSA60W-120	50	+12/4.2	90-264@47-63	2.1mm x 5.5mm F **2**	No	Black	4.0 x 2.5 x 1.3	6'/ [3]	0.5	UL/CUL/TUV/CE	36.49	32.85	29.55	28.08
	230501CB	Phihong	PSA60W-180	60	+18/3.3	90-264@47-63	2.1mm x 5.5mm F **2**	No	Black	4.0 x 2.5 x 1.3	6'/ [3]	0.5	UL/CUL/TUV/CE	36.49	32.85	29.55	29.01
	645271CB	—	SDA5524	55	+24/2.3	120-240@50-60	2.5mm x 5.5mm F **2**†	Yes	Black	5.1 x 2.4 x 1.4	7'/ [3]	0.5	UL/CUL/TUV/CE	29.95	26.95	24.75	19.95
	229841CB	Phihong ⊕	PSA60W-240	60	+24/2.5	90-264@47-63	2.1mm x 5.5mm F **2**	No	Black	4.0 x 2.5 x 1.3	6'/ [3]	0.5	UL/CUL/TUV/CE	36.49	32.85	29.55	28.08

* See accessory table-top power cord chart on page 212 when AC cord needed; refer to [1], [2] or [3] in "Cord (DC/AC)" column above for correct power cord † Right angle

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

3-Wire Table-Top Power Supplies on next page

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



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AC-to-DC Regulated Switching Table-Top Power Supplies

We will change any power plug (pg 148) on any table-top power supply (100 pc. minimum) for a small additional charge.

See page 224 for International Power Cords

Quantity SAVE


308700CB


159353CB


243011CB


206455CB


DIN M

Polarity 1 ⊕—•—⊖ (center negative)


Female


Male

Polarity 2 ⊖—•—⊕ (center positive)

Power	Part Number	Brand ▲	Product Number ▲	Output Pwr (W)	Output Volts (VDC)/ Current (A)	Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
3-Wire AC Input – Regulated Switching																	
5-20 Watt	221567CB	Mean Well ⊕	P40A-OP2JU	15	+3.3/4.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	$22.99	$20.69	$18.83	$17.84
	308700CB	Be-Well ⊕	ZD0001F	5	+5/1.0	100-240@50-60	2.1mm x 5.5mm F 2†	No	Black	4.2 x 2.0 x 1.6	6'/ 2	0.4	UL/CUL/TUV/CE	16.95	15.26	12.20	9.15
	309876CB	Go Forward ⊕	G112-USO520	10	+5/2.0	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	2.6 x 1.9 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CE	17.75	15.98	12.78	9.59
	311802CB	Li Shin ⊕	LSE0103B0510	10	+5/2.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.0 x 1.2	6'/ 2	0.4	UL/CUL/TUV/CE	13.89	11.29	9.95	9.65
	196218CB	GlobTek ⊕	GT210891005T3	10	+5/2.0	120-240@50-60	2.1mm x 5.5mm F 2	No	Black	3.4 x 1.9 x 1.3	6'/ 2	0.4	UL/CUL/TUV/CE	19.95	17.95	16.15	14.55
	355717CB	CUI Stack ⊕	DSA-0151D-05	12	+5/2.4	100-240@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.0 x 1.4	6'/ 1	0.5	UL/CUL/TUV/CE	17.29	16.18	14.40	14.32
	377844CB	Mean Well ⊕	ES18A05-P1JU	15	+5/3.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379719CB	Mean Well ⊕	ES18A05-P1MU	15	+5/3.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	355506CB	APS ⊕	AD-740U-1050/LP	15	+5/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.2 x 2.6 x 1.6	6'/ 1	0.8	UL/CUL/TUV/CE	17.29	15.56	12.45	9.34
	379591CB	Mean Well ⊕	ES25A05-P1JU	20	+5/4.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380470CB	Mean Well ⊕	ES25A05-P1MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	213583CB	Mean Well ⊕	P30A-1P2JU	20	+5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV/CE	23.69	21.32	17.06	16.95
	377861CB	Mean Well ⊕	ES18A09-P1JU	18	+9/2.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379735CB	Mean Well ⊕	ES18A09-P1MU	18	+9/2.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	303538CB	I.T.E. ⊕	UP01411120	12	+12/1.0	100-250@50-60	2.5mm x 5.5mm F 2	No	Black	4.1 x 2.5 x 1.3	4'/ 2	0.4	UL/CSA/TUV/CE	16.75	13.37	11.70	11.14
	228988CB	Phihong ⊕	PSA18U-120	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	6'/ 2	0.5	UL/CUL/TUV/CE	22.95	20.65	18.59	17.53
	376622CB	Mean Well ⊕	ES18A12-P1JU	18	+12/1.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379701CB	Mean Well ⊕	ES18A12-P1MU	18	+12/1.5	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	320231CB	3-Com ⊕	10030973	18	+12/1.5	100-240@47-63	2.5mm x 5.5mm F 2	No	Black	4.1 x 2.0 x 1.4	6'/ 2	0.4	UL/CUL/TUV/CE	15.19	13.67	10.94	8.20
	298062CB	I.T.E. ⊕	UP01831120	18	+12/1.5	100-240@50-60	2.5mm x 5.5mm F 2	No	Black	3.7 x 2.2 x 1.3	7'/ 2	0.4	UL/CUL//CE	15.45	13.90	11.12	8.34
	377879CB	Mean Well ⊕	ES18A15-P1JU	18	+15/1.2	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	379743CB	Mean Well ⊕	ES18A15-P1MU	18	+15/1.2	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	303546CB	I.T.E. ⊕	UP01811180	18	+18/1.0	100-250@50-60	2.1mm x 5.5mm F 2	No	Black	4.1 x 2.5 x 1.3	4'/ 2	0.4	UL/CSA/TUV/CE	19.55	17.60	14.08	10.56
	394231CB	Mean Well ⊕	ES18A24-P1JU	18	+24/0.75	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	159353CB	Mean Well	KA60AU	17	+5/1, ±12/0.5	100-240@50-60	5-pin DIN M	Yes	Black	4.1 x 2.6 x 1.5	6'/5'	1.0	UL/CSA/TUV	36.95	33.26	26.60	21.89
	364146CB	Ault ⊕	SW306KF	17	+5/1, +12/0.8 -12/0.2	100-250@50-60	5-pin DIN M	No	Black	5.1 x 3.0 x 1.6	6'/ 1	1.1	UL/CSA/TUV/CE	26.95	24.26	19.40	14.55
21-29 Watt	213575CB	Mean Well ⊕	P40A-1P2JU	25	+5/5.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV/CE	29.95	26.96	21.56	18.27
	379698CB	Mean Well ⊕	ES25A07-P1JU	22	+7.5/2.93	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380496CB	Mean Well ⊕	ES25A07-P1MU	22	+7.5/2.93	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377908CB	Mean Well ⊕	P30A-1-1P2JU	23	+7.5/3.06	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	23.69	21.80	20.76	19.71
	379751CB	Mean Well ⊕	P30A-1-1P2MU	23	+7.5/3.06	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	23.69	21.80	20.76	20.43
	379727CB	Mean Well ⊕	ES25A09-P1JU	25	+9/2.78	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380517CB	Mean Well ⊕	ES25A09-P1MU	25	+9/2.78	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	211019CB	Mean Well ⊕	KA52B	25	+9/2.78	100-240@47-63	2.5mm x 5.5mm F 2	No	Black	4.2 x 2.6 x 1.5	6'/ 2	0.9	UL/CSA/TUV/CE	29.95	26.96	24.29	21.85
	379778CB	Mean Well ⊕	ES25A12-P1JU	25	+12/2.08	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380533CB	Mean Well ⊕	ES25A12-P1MU	25	+12/2.08	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	377895CB	Mean Well ⊕	P30A-3P2JU	27	+12/2.25	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	23.69	21.80	20.76	19.71
	379823CB	Mean Well ⊕	ES25A15-P1JU	25	+15/1.66	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380541CB	Mean Well ⊕	ES25A15-P1MU	25	+15/1.66	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	243011CB	Mean Well ⊕	P30A-41P2JU	27	+15/1.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.2 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	23.69	21.80	20.76	19.71
	206455CB	Ault ⊕	SC100	25	+16/1.56	100-240@50-60	2.5mm x 5.5mm F 2	No	Black	4.2 x 2.6 x 1.5	6'/6'	1.2	UL/CUL/TUV/CE	14.95	13.46	10.76	8.07
	379840CB	Mean Well ⊕	ES25A18-P1JU	25	+18/1.38	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380550CB	Mean Well ⊕	ES25A18-P1MU	25	+18/1.38	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379882CB	Mean Well ⊕	ES25A24-P1JU	25	+24/1.04	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380576CB	Mean Well ⊕	ES25A24-P1MU	25	+24/1.04	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	221680CB	Mean Well ⊕	P30A-6P2JU	27	+24/1.1	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CSA/TUV/CE	26.95	24.29	21.85	19.65

* See accessory table-top power cord chart on page 212 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord † Right angle
▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

3-Wire Table-Top Power Supplies continued on next page

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

See page 224 for International Power Cords

We will change any power plug (pg 148) on any table-top power supply (100 pc. minimum) for a small additional charge.


229032CB


203043CB


211191CB


211107CB

Polarity 1 ⊕—●—⊖ (center negative)


Female


Male

Polarity 2 ⊖—●—⊕ (center positive)


DIN M

Quantity SAVE

Power	Part Number	Brand ▲	Product Number ▲	Output Pwr (W)	Output Volts (VDC)/ Current (A)	Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
3-Wire AC Input – Regulated Switching (Continued)																	
21-29 Watt	379891CB	Mean Well ⊕	ES25A28-P1JU	25	+28/0.89	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	$20.69	$18.53	$16.22	$15.45
	380584CB	Mean Well ⊕	ES25A28-P1MU	25	+28/0.89	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	379903CB	Mean Well ⊕	ES25A48-P1JU	25	+48/0.52	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	380605CB	Mean Well ⊕	ES25A48-P1MU	25	+48/0.52	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	3.7 x 2.1 x 1.4	6'/6'	0.6	UL/CSA/TUV/CE	20.69	18.53	16.22	15.45
	215087CB	Mean Well ⊕	P30A-8P2JU	27	+48/0.56	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	21.89	19.89	18.09	16.59
	196269CB	Everglow ⊕	PSU25A13	25	+5/2.5, +12/1.0	100-240@47-63	4-pin mini DIN M	No	Black	4.2 x 2.6 x 1.4	6'/4'	1.2	UL/CUL/TUV/CE	27.95	25.19	22.65	20.39
	190650CB	Ault ⊕	SW300	25	+5/4, +12/1.0	100-250@50-60	5-pin DIN M	No	Black	5.9 x 3.4 x 2.1	6'/ 2	1.5	UL/CSA/TUV	9.95	8.96	8.06	7.25
	190959CB	Mean Well ⊕	P25A13D-R1U	26	+5/2.5, +12/0.8 -12/0.3	100-240@47-63	5-pin DIN M	Yes	Black	4.1 x 2.6 x 1.4	6'/6'	1.1	CUL/TUV/CE	32.95	29.69	26.69	24.05
	221719CB	Mean Well ⊕	P25A14E-R1BU	25	+5/2.5, +15/0.3 -15/0.3	90-264@47-63	5-pin DIN M	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	32.95	29.69	26.69	24.05
30-40 Watt	320080CB	GlobTek ⊕	TR9CA6000LCP-Y	30	+5/6.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	Black	4.7 x 2.4 x 1.3	6'/ 2	0.7	UL/CUL/TUV/CE	24.69	22.89	20.59	18.55
	206527CB	Mean Well ⊕	P40A-1-1P25U	30	+7.5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	No	Black	4.3 x 2.7 x 1.5	6'/6'	1.5	UL/CUL/TUV/CE	29.95	26.95	23.95	21.95
	229008CB	Phihong ⊕	PSA31U-120	30	+12/2.5	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	26.95	24.25	21.85	20.66
	401041CB	ReliaPro ⊕	EA10362	36	+12/3.0	120-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	3.9 x 1.8 x 1.2	6'/ 3	0.6	UL/CUL/TUV/CE	23.69	21.17	19.14	18.19
	155213CB	Mean Well ⊕	P40A-3P2JU	40	+12/3.3	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/TUV	35.95	32.36	29.12	26.21
	297692CB	Mean Well ⊕	P40A-3P2MU	40	+12/3.3	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/VDE/CE	35.95	32.36	29.12	26.21
	355063CB	ReliaPro ⊕	JR-TT-40-12	40	+12/3.33	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/ 2	0.6	UL/CUL/TUV/CE	29.39	23.51	20.58	19.52
	229016CB	Phihong ⊕	PSA31U-150	30	+15/2.0	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	26.95	24.25	22.12	21.90
	221575CB	Mean Well ⊕	P40A-4P2JU	40	+15/2.7	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	33.95	30.56	27.50	24.75
	230480CB	Phihong ⊕	PSA31U-180	30	+18/1.6	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	3.9 x 2.2 x 1.2	6'/ 2	0.5	UL/CUL/TUV/CE	30.95	27.79	25.09	23.85
	229024CB	Phihong ⊕	PSA31U-240	30	+24/1.25	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.4	6'/ 2	0.5	UL/CUL/TUV/CE	26.95	24.25	21.85	21.55
	181884CB	Mean Well ⊕	P40A-6P2JU	40	+24/1.7	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/TUV/CE	35.95	32.36	29.12	26.21
	297756CB	Mean Well ⊕	P40A-6P2MU	40	+24/1.7	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CUL/VDE/CE	35.95	32.36	29.12	26.21
	229032CB	Phihong ⊕	PSA31U-480	30	+48/0.63	90-264@47-63	2.1mm x 5.5mm F 2	No	Black	4.5 x 2.4 x 1.6	6'/ 2	0.5	UL/CUL/TUV/CE	26.95	24.25	22.12	21.90
	221583CB	Mean Well ⊕	P40A-8P2JU	40	+48/0.8	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	33.95	30.56	27.50	24.75
	203043CB	Ault ⊕	SC200	32	+5/4, +12/1	100-240@50-60	5-pin DIN M	No	Black	5.0 x 3.0 x 1.6	6'/ 2	1.3	UL/CSA/CE	19.95	17.95	12.95	9.95
	211191CB	Westinghouse ⊕	FSA30P31	30	+5/3, ±12/0.8	85-264@47-63	5-pin DIN M	No	Black	5.8 x 3.0 x 1.7	4'/ 2	1.1	UL/CSA/TUV	25.95	23.35	21.05	18.95
	404443CB	AcroPower ⊕	ASX30T-577/07	30	+5/3, +12/0.1 -12/0.5	100-240@50-60	5-pin DIN M	No	Black	6.0 x 3.5 x 2.0	6'/6'	2.0	UL/CUL/CE	19.95	18.45	17.53	16.65
41-59 Watt	221487CB	Mean Well ⊕	SPU50-1U	50	+5/10	90-264@47-63	5-pin DIN M	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	2.0	UL/CUL/TUV/CE	36.95	33.95	31.95	29.49
	622547CB	Samsung ⊕	AD-4212L	42	+12/3.5	100-240@50/60	1.6mm x 4.0mm F 2	Yes	Black	4.5 x 2.1 x 1.2	6'/ 2	0.6	UL/CUL/CE	21.95	19.75	17.79	15.99
	622555CB	Samsung ⊕	AD-4212L-2.1	42	+12/3.5	100-240@50-60	2.1mm x 5.5mm F 2	Yes	Black	4.5 x 2.1 x 1.2	6'/ 2	0.6	UL/CUL/CE	24.95	22.45	20.25	18.19
	221701CB	Mean Well ⊕	P50A13D-R1BU	50	+5/4.0, +12/2.0 -12/0.5	90-264@47-63	5-pin DIN M	Yes	Black	5.7 x 3.0 x 1.7	4'/6'	1.5	UL/CUL/TUV/CE	48.95	44.09	39.69	35.69
	215132CB	Mean Well	U45T302-R1BU✪	42	+5/5, +12/1, -12/0.3	90-264@47-63	5-pin DIN M	Yes	Black	5.8 x 3.1 x 1.8	4'/6'	1.4	UL/CUL/TUV/CE	49.95	44.99	40.49	36.45
	211107CB	Fortron ⊕	FSA55P31	45	+5/5, +12/3 -12/0.5	85-264@50-60	5-pin DIN M	Yes	Black	7.0 x 3.8 x 2.2	4'/ 2	1.6	UL/CSA/TUV	49.95	44.96	35.96	26.24
	237366CB	Mean Well ⊕	P50A14E-R1BU	42	+5/3.5; +15/1.2 -15/0.3	100-240@47-63	5-pin DIN M	Yes	Black	5.8 x 3.0 x 1.7	4'/6'	1.2	UL/CUL/TUV/CE	39.95	38.31	36.39	34.57
60-80 Watt	155230CB	Mean Well ⊕	SPU50-3U	60	+12/5.0	100-240@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CSA/TUV	49.95	44.95	39.95	35.95
	297721CB	Mean Well ⊕	SPU50-3P2MU	60	+12/5.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CUL/TUV/CE	49.95	44.95	39.95	35.95
	376606CB	Mean Well ⊕	P66A-3P2JU	66	+12/5.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	34.95	31.95	30.95	29.45
	379671CB	Mean Well ⊕	P66A-3P2MU	66	+12/5.5	90-264@47-63	2.5mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	37.59	35.79	34.09	32.45
	391742CB	Mean Well ⊕	P66A-4P2JU	66	+15/4.4	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	38.45	34.85	31.39	29.45
	182959CB	Elpac ⊕	W7212	72	+12/6.0	95-250@47-63	5-pin DIN M	—	Black	6.2 x 3.8 x 2.6	6'/6'	2.5	UL/CSA/CE	54.95	49.49	39.59	29.69
	221428CB	Mean Well ⊕	U65S105-P2JU	80	+12/6.7	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	58.46	52.61	43.84
	221436CB	Mean Well ⊕	U65S106-P2JU	80	+15/5.33	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49
	243045CB	Mean Well ⊕	P66A-5P2JU	66	+18/3.66	90-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CUL/TUV/CE	38.49	34.91	32.21	30.41
	221444CB	Mean Well ⊕	U65S107-P2JU	80	+18/4.4	95-264@47-63	2.1mm x 5.5mm F 2	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	64.95	55.29	49.95	47.49

* See accessory table-top power cord chart on page 212 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek ✪ Blue Part No. = Limited Quantity Available

3-Wire Table-Top Power Supplies continued on next page

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

AC-to-DC Regulated Switching Table-Top Power Supplies

RoHS Compliant Product
RoHS Also Available

We will change any power plug (pg 148) on any table-top power supply (100 pc. minimum) for a small additional charge.

See page 224 for International Power Cords


297633CB


355055CB


172064CB


221461CB

Polarity 1 ⊕—•—⊖ (center negative)


Female


Male

Polarity 2 ⊖—•—⊕ (center positive)

Power	Part Number	Brand ▲	Product Number ▲	Output Pwr (W)	Output Volts (VDC)/ Current (A)	Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
3-Wire AC Input – Regulated Switching (Continued)																	
60-80 Watt	**161605CB**	Mean Well ⊕	SPU50-6U	60	+24/2.5	100-240@47-63	2.1mm x 5.5mm F **2**	Yes	Black	5.6 x 2.9 x 1.6	1'9"/6'	1.3	UL/CSA/TUV	**$44.95**	**$39.95**	**$35.95**	**$32.95**
	297633CB	Mean Well ⊕	SPU50-6P2MU	60	+24/2.5	95-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	5.7 x 3.0 x 1.7	6'/6'	1.3	UL/CUL/TUV/CE	**44.95**	**39.95**	**35.95**	**32.95**
	355055CB	ReliaPro ⊕	JR-TT-66-24	66	+24/2.75	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	5.8 x 3.0 x 1.7	6'/ **2**	1.2	UL/CUL/TUV/CE	**34.95**	**32.21**	**28.68**	**27.31**
	221452CB	Mean Well ⊕	U65S108-P2JU	80	+24/3.3	95-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	6.6 x 3.1 x1.8	6'/6'	2.0	UL/CUL/TUV/CE	**64.95**	**55.29**	**49.95**	**47.49**
	376614CB	Mean Well ⊕	P66A-8P2JU	66	+48/1.37	90-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	**34.95**	**31.46**	**30.45**	**29.45**
	379680CB	Mean Well ⊕	P66A-8P2MU	66	+48/1.37	90-264@47-63	2.5mm x 5.5mm F **2**	Yes	Black	5.8 x 3.0 x 1.7	6'/6'	1.2	UL/CSA/TUV/CE	**37.59**	**35.79**	**34.09**	**32.45**
	172064CB	Mean Well ⊕	SPU50-9U	60	+48/1.25	100-240@47-63	2.1mm x 5.5mm F **2**	Yes	Black	5.6 x 2.9 x 1.7	6'/6'	1.3	UL/CSA/TUV	**44.95**	**40.49**	**36.45**	**32.79**
	221461CB	Mean Well ⊕	U65S111-P2JU	80	+48/1.7	95-264@47-63	2.1mm x 5.5mm F **2**	Yes	Black	6.6 x 3.1 x 1.8	6'/6'	2.0	UL/CUL/TUV/CE	**64.95**	**55.29**	**49.95**	**47.49**

* See accessory table-top power cord chart on page 212 when AC cord needed; refer to [1], [2] or [3] in "Cord (DC/AC)" column above for correct power cord
▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

Compact DC Regulated Switching Power Adapter with Detachable Plugs

This state-of-the-art switching power adapter offers some major advantages such as stabilized outputs, short circuit and overload protection, compact design, and low idle consumption versus typical wall adapters.

- 8 plugs: 2.5mm M mono, 3.5mm M mono, 1.0mm x 3.0mm F, 1.3mm x 3.5mm F, 1.7mm x 4.0mm F, 2.1mm x 5.0mm F, 1.5mm x 5.5mm F, and 2.5mm x 5.5mm F
- Selectable output voltages: 3 / 4.5 / 6 / 7.5 / 9 / 12 VDC @ 800mA (regulated) with 1.5A max. output

See pages 213-218 for our selection of wall adapters.



Part No.	Description	Input Voltage	Power Output	Efficiency	Size	Weight	Price
239564CB	Compact power adapter ⊕	100-240VAC	10W	80%	2.9"H x 1.2"W x 1.9"D	0.2 lbs.	**$19.95**

AC-to-DC Regulated Linear Table-Top Power Supplies

We will change any power plug (pg 148) on any table-top power supply (100 pc. minimum) for a small additional charge.

See page 224 for International Power Cords


DIN M


211060CB


174844CB


265295CB


318756CB

Polarity 1 ⊕—•—⊖ (center negative)


Female


Male

Polarity 2 ⊖—•—⊕ (center positive)

Quantity SAVE

Power	Part Number	Brand ▲	Product Number ▲	Output Pwr (W)	Output Volts (VDC)/ Current (A)	Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
2-Wire AC Input – Regulated Linear																	
5-25	**211060CB**	Pacific Data ⊕	DV-51AAT	5	+5/1	120@60	2.1mm x 5.5mm rt angle F **2**	No	Black	3.4 x 2.7 x 2.2	6'6"/6'	1.7	UL/CSA	**$11.95**	**$10.76**	**$9.68**	**$8.71**
	174844CB	Jameco ⊕	DCR2410F12	24	+24/1	120@60	2.1mm x 5.5mm F **2**	No	Black	4.4 x 3.0 x 2.5	6'/6'	2.6	—	**18.65**	**16.78**	**13.42**	**10.07**
3-Wire AC Input – Regulated Linear																	
5-20	**265295CB**	—	T5121000/37	12.2	+5/1, ±12/0.3	120@60	5-pin DIN M	No	Black	4.5 x 3.0 x 2.5	6'/6'	2.6	UL/CSA	**$9.69**	**$8.72**	**$6.97**	**$5.23**
	318756CB	Adcom ⊕	WM113TT	13	+5/0.86, ±12/0.3	115@60	5-pin DIN M	No	Black	4.9 x 3.0 x 2.2	6'/6'	1.3	UL/CSA	**31.99**	**27.15**	**25.75**	**24.45**

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend
New Sale Lower$ QtySave

AC-to-DC Unregulated Table-Top Power Supplies

Color Code Legend: New | Sale | Lower$ | QtySave

We will change any power plug (pg 148) on any table-top power supply (100 pc. minimum) for a small additional charge.

See page 224 for International Power Cords


243109CB


354941CB


205920CB


319222CB

Quantity SAVE


Stripped

Polarity 1 ⊕—●—⊖ (center negative)


Female


Male

Polarity 2 ⊖—●—⊕ (center positive)

Power	Part Number	Brand ▲	Product Number ▲	Output Power (W)	Output Volts (VDC)/ Current (A)	Input VAC@Hz	Output Connector ID x OD/Polarity F = female; M = male	Pwr. Ind.	Color	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing 1	10	50	100
2-Wire AC Input – Unregulated																	
9-30 Watts	190051CB	APS ⊕	APS48EA114	10	+7/1.5	120@60	2.5mm x 5.5mm F **2**	No	Black	3.4 x 2.3 x 1.9	6'/6'	1.9	UL/CUL	$9.95	$8.99	$7.19	$5.39
	243109CB	Regal ⊕	JK-91001-N	9	+9/1.0	120@60	Stripped & Tinned	No	Black	3.3 x 2.2 x 1.9	6'/6'	1.2	UL/CSA	13.95	12.56	10.04	7.53
	354941CB	Terayon ⊕	AD-121ADT	12	+12/1.0	120@60	2.1mm x 5.5mm F **2**	No	Black	3.2 x 2.3 x 1.9	6'/6'	1.4	UL/CUL	14.95	13.46	10.76	8.07
	136565CB	Jameco ⊕	DDC1210P	12	+12/1.0	120@60	Stripped & Tinned	No	Black	3.2 x 2.2 x 1.9	6'/6'	1.2	—	15.35	13.82	11.05	8.29
	140880CB	Jameco ⊕	DC1215ST	18	+12/1.5	120@60	Stripped & Tinned	No	Black	3.1 x 2.1 x 1.9	6'/6'	1.5	UL	14.25	12.82	11.54	10.39
	143714CB	— ⊕	DC1220F1	24	+12/2.0	120@60	2.1mm x 5.5mm F **2**	No	Black	3.8 x 2.8 x 2.3	6'/6'	2.2	CUL-No UL	16.45	14.80	13.32	11.99
	143722CB	Jameco ⊕	DC1220F5	24	+12/2.0	120@60	2.5mm x 5.5mm F **2**	No	Black	3.8 x 2.8 x 2.3	6'/6'	2.2	UL/CUL	14.25	12.82	11.61	10.44
	143731CB	— ⊕	DC1220M3	24	+12/2.0	120@60	3.5mm M **2**	No	Black	3.8 x 2.8 x 2.3	6'/6'	1.9	CUL-No UL	14.25	12.64	10.33	7.69
	139096CB	Jameco ⊕	DC2412F1	29	+24/1.2	120@60	2.1mm x 5.5mm F **2**	No	Black	4.4 x 3.1 x 2.6	6'/6'	2.5	—	16.45	14.80	13.32	11.99
	173665CB	Skynet ⊕	DND-3005	15	+30/0.5	120@60	2.5mm x 5.5mm F **2**	No	Black	3.0 x 2.5 x 2.2	5'9"/3'2"	1.4	UL/CUL	11.95	10.76	8.60	6.45
	205920CB	Skynet ⊕	DND-3012	30	+30/1.0	120@60	2.5mm x 5.5mm F **2**	No	Black	4.0 x 2.9 x 2.5	6'/6'	1.7	UL/CUL	8.95	8.06	7.25	6.52
3-Wire AC Input – Unregulated																	
15-25	319222CB	— ⊕	SPU15A-3	15	+12/1.25	120@60	Stripped & Tinned	Yes	Black	3.6 x 1.5 x 1.4	15'3"/**2**	—	UL/CUL/CE	$15.65	$14.08	$11.27	$8.45
	157956CB	Everglow ⊕	EFU120150	18	+12/1.5	120@60	2.5mm x 5.5mm F **2**	No	Black	3.4 x 2.7 x 2.2	6'/6'	2.0	UL	12.05	10.84	9.76	8.78
	196306CB	—	A51813D	23	+18/1.3	120@60	2.5mm x 5.5mm F **2**	No	Black	3.6 x 2.4 x 2.0	6'/6'	1.8	UL/CSA	12.95	11.69	9.34	7.04

* See accessory table-top power cord chart below when AC cord needed; refer to **1**, **2** or **3** in "Cord (DC/AC)" column above for correct power cord

▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek


38041CB


38050CB

* Accessory Power Input Cords for Table-Top Power Supplies


189587CB

For Additional Power Cords See Pages 222-223.

Part No.	Ref. No.*	Description	Color	AWG	Certification	Cord Length	Wt. (lbs.)	Cord Type	1	10	50	100
38041CB	1	3-conductor power cord ⊕	Beige	18/3	UL/CSA	6'	0.4	SVT	$3.49	$3.15	$2.79	$2.49
38050CB	2	3-conductor power cord ⊕	Black	18/3	UL/CSA	6'	0.4	SVT	3.75	3.29	2.89	2.17
189587CB	3	2-conductor power cord	Black	18/2	UL/CSA	6'	0.3	SPT	2.95	2.65	2.39	2.15

Medical Table-Top & Wall Switching AC-to-DC Power Supplies

GlobTek®

AC-to-DC Medical Table-Top Regulated Switching Power Supplies

- Input voltage: 90-264VAC @ 47-63Hz
- Leakage current: 0.1mA maximum
- Regulation (line & load): ±5%
- Ripple and noise: 1% or 100mV, whichever is smaller
- 2.5mm x 5.5mm female center positive
- Cord lengths: DC: 6'; AC: use P/N 115078CB, pg 222
- Size: 2.9"L x 2.0"W x 1.6"H
- UL/CUL/TUV/CE approved for medical applications
- 3-wire AC input
- Isolation voltage: 4,000VAC



Part Number	Product Number	Power (W)	Output Volts (VDC)/Current (A)	Pricing 1	10	50	100
230658CB	TR9CA2600CP ⊕	13.0	+5/2.6	$28.95	$26.06	$23.72	$22.47
230682CB	TR9CE1250CP ⊕	15.6	+12/1.3	32.95	29.65	26.69	23.99
230691CB	TR9CG1200CP ⊕	18.0	+15/1.2	32.95	29.65	26.69	23.99
230711CB	TR9CI750CP ⊕	16.8	+24/0.7	28.95	26.06	23.72	22.47
230738CB	TR9CA6000LCP ⊕	30.0	+5/6.0	46.95	42.26	33.80	32.08
230762CB	TR9CE4000LCP ⊕	49.2	+12/4.0	52.95	47.65	42.89	38.59
230771CB	TR9CG3333LCP ⊕	49.5	+15/3.3	46.95	42.26	33.80	32.08
230797CB	TR9CI2100LCP ⊕	50.4	+24/2.1	52.95	47.66	38.12	32.08

GlobTek®

AC-to-DC Medical Regulated Switching Wall Adapters

- Input voltage: 100-240VAC @ 47-63Hz
- 3-prong input plug
- Leakage current: 0.1mA maximum
- Isolation voltage: 4,000VAC
- Regulation (line & load): ±5%
- Ripple and noise: 1% or 100mV whichever is smaller
- 2.5mm x 5.5mm female center positive
- Output cord length: 6'
- Size: 2.9"H x 1.9"W x 1.6"D
- Agency approval: UL/CUL/TUV/CE approved for medical applications



SALE

Part Number	Product Number	Power (W)	Output Volts (VDC)/Current (A)	Pricing 1	10	50	100
230818CB	WR92A2600LCP	13.0	+5 @ 2.6 ~~$26.99~~	$25.45	$23.15	$21.05	$19.15
230842CB	WR92E1250LCP ⊕	15.6	+12 @ 1.3	30.95	27.86	25.07	22.56
230877CB	WR92I750LCP	16.8	+24 @ 0.75 ~~$26.99~~	25.45	23.15	21.05	19.15

For Open-Frame Medical Power Supplies see page 190.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

JAMECO ReliaPro

"Slim Line" Regulated Switching Wall Adapters

Compact in size and lightweight, they are the perfect power solution in all those applications where space is critical. And their high efficiency satisfies requirements for minimizing power losses. You no longer have to deal with traditional wall adapters that block unused outlets in wall plates and power strips / surge protectors.

A Jameco EXCLUSIVE

We'll Brand the Adapters With Your Company Name
Call 1-800-831-4242 for Details





- 2-wire AC input
- Output cord length: 6'
- Input voltage: 100 – 240VAC@47-63Hz
- Output connector: 2.1mm x 5.5mm F2 (center positive)
- Color: black
- One year warranty

Part Number	Cross Ref. Number	Output Rating Volt (VDC)	Output Rating Curr. (mA)	Size (H"xW"xD")	Wt. (lbs.)	Pricing 1	Pricing 10	Pricing 50	Pricing 100
251563CB	S08AA033150 ⊕	3.3	1500	2.5x1.1x1.7	0.2	$12.05	$10.93	$10.09	$9.74
251598CB	S15AA033250 ⊕	3.3	2500	2.9x1.3x2.2	0.3	12.65	11.47	10.59	10.22
252700CB	S08AB050050 ⊕	5.0	500	2.5x1.1x1.7	0.2	11.55	10.47	9.67	9.34
252718CB	S08AB050100 ⊕	5.0	1000	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74
252726CB	S08AB050150 ⊕	5.0	1500	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.21
252734CB	S15AB050250 ⊕	5.0	2500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252751CB	S08AD090050 ⊕	9.0	500	2.5x1.1x1.7	0.2	12.05	10.94	10.09	9.74
252769CB	S08AD090090 ⊕	9.0	800	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
252777CB	S15AD090120 ⊕	9.0	1200	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252785CB	S15AS090170 ⊕	9.0	1500	2.9x1.3x2.2	0.3	13.75	12.47	11.52	11.11
252793CB	S08AE120025 ⊕	12.0	250	2.5x1.1x1.7	0.2	11.55	10.47	9.67	9.33

Part Number	Cross Ref. Number	Output Rating Volt (VDC)	Output Rating Curr. (mA)	Size (H"xW"xD")	Wt. (lbs.)	Pricing 1	Pricing 10	Pricing 50	Pricing 100
252806CB	S08AE120050 ⊕	12.0	500	2.5x1.1x1.7	0.2	$12.05	$10.93	$10.09	$9.74
252814CB	S08AE120070 ⊕	12.0	600	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
252822CB	S15AE120100 ⊕	12.0	1000	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252831CB	S15AE120140 ⊕	12.0	1250	2.9x1.3x2.2	0.3	14.25	12.94	11.94	11.52
252890CB	S08AF150050 ⊕	15.0	500	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
254756CB	S15AF150080 ⊕	15.0	800	2.9x1.3x2.2	0.2	13.15	11.94	10.99	10.60
252902CB	S15AF150120 ⊕	15.0	1000	2.9x1.3x2.2	0.3	14.25	12.94	11.94	11.52
252849CB	S08AH240013 ⊕	24.0	130	2.5x1.1x1.7	0.2	11.55	10.47	9.67	9.33
252857CB	S08AH240025 ⊕	24.0	250	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74
252865CB	S15AH240050 ⊕	24.0	500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252873CB	S15AH240063 ⊕	24.0	630	2.9x1.3x2.2	0.3	13.75	12.47	11.94	11.52

Interchangeable-Plug Wall Adapters

PHIHONG

- Field changeable AC Plugs (sold separately, see below)
- Power-On LED
- Input voltage: 90-264VAC@47-63Hz
- Output connector: 2.1mm x 5.5mm female center positive
- Regulated output
- Double insulated
- Class B EMI



228814CB shown with plug clip not included



228849CB shown with plug clip included

4 to 5-Watt Wall Adapters (Plug clip required, see below)

- Applications: PDAs, digital cameras, MPEG players, personal electronics
- Dimensions: 2.8"L x 1.8"W x 1.2"H
- Efficiency: 60% min.
- Weight: 0.3 lbs.

Part No.	Manufacturer	Product No.	Power (W)	Output Voltage (VDC)	Current (A)	Ripple (mVp-p)	Line Regulation	Load Regulation	1	5	25	100
228734CB	Phihong ⊕	PSA05R-033	4.0	3.3	1.2	50	±1%	±5%	$19.89	$18.05	$16.45	$14.79
228751CB	Phihong ⊕	PSA05R-090	5.0	9.0	0.56	90	±1%	±5%	16.69	15.15	13.79	12.44

6 to 10-Watt Wall Adapters (Plug clip required, see below)

- Applications: wireless communications, portable equipment, digital camera, peripherals, networking
- Dimensions: 3.4"L x 2.1"W x 1.4"H
- Efficiency: 65% typical
- Weight: 0.3 lbs.

SALE

Part No.	Manufacturer	Product No.	Power (W)	Output Voltage (VDC)	Current (A)	Ripple (mVp-p)	Line Regulation	Load Regulation	1	5	25	100
228785CB	Phihong	PSA11R-033	6.6	3.3	2.0	50	±1%	±5%	~~$16.99~~ $15.99	$14.55	$13.19	$12.05
228814CB	Phihong ⊕	PSA11R-120	10.0	12.0	0.83	120	±1%	±5%	17.69	16.07	15.15	14.62

20-Watt Wall Adapter with LoadSense™ (Plug clip required, see below)

- Senses and controls the voltage out the connector, eliminating the effect of a voltage drop in the cable
- Applications: peripherals, portable equipment, gaming machines, point-of-sale equipment, network equipment
- Dimensions: 3.9"L x 2.5"W x 1.4"H
- Efficiency: 70% Typical
- Weight: 0.6 lbs.

Part No.	Manufacturer	Product No.	Power (W)	Output Voltage (VDC)	Current (A)	Ripple (mVp-p)	Line Regulation	Load Regulation	1	5	25	100
228849CB	Phihong ⊕	PSA21R-120	20.0	12.0	1.67	120	±1%	±2%	$27.15	$24.65	$23.32	$23.01

AC Plug Clips and Plug Clip Kits (sold separately, required for above adapters)

Part No.	Manufacturer	Product No.	Description	1	10	50	100
229155CB	Phihong	RPA	USA Plug	$.53	$.52	$.515	$.51
229163CB	Phihong	RPE	European Plug	.61	.59	.58	.57
229180CB	Phihong ⊕	RPKIT	Kit w/ RPA/RPE/RPK/RPS (AUST)	3.15	2.85	2.75	2.65



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Jameco's Got the Docs

We offer free technical documents for most of the products we carry.
Find them easily on the product specification pages @ www.Jameco.com.



2-Wire AC Input – AC-to-DC Regulated Switching Wall Adapters



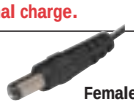
236751CB



308048CB

We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 148) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

Polarity 1 ⊕—●—⊖ (center negative)
Polarity 2 ⊖—●—⊕ (center positive)



Female



216442CB



308689CB

Part Number	Brand▲	Product Number▲	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD/Polarity F = female; M = male	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
230543CB	Phihong ⊕	PSA05A-050	5	1000	2.1mm x 5.5mm F **2**	90-264@47-63	2.4 x 1.8 x 1.0	Black	4'	0.4	UL/CUL	$10.95	$9.86	$7.88	$5.91
228881CB	Phihong ⊕	PSC10A-050	5	2000	2.1mm x 5.5mm F **2**	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.09	11.88	11.12	10.36
210893CB	ReliaPro ⊕	S15AB050200	5	2000	2.5mm x 5.5mm F **2**	100-240@47-63	2.9 x 1.4 x 2.2	Black	6'	0.2	UL/CUL	14.25	12.86	11.54	9.63
236751CB	GlobTek ⊕	WR92A2600CCP†	5	2600	2.1mm x 5.5mm F **2**	100-240@50-60	2.9 x 1.9 x 1.6	Black	6'	0.5	UL/CUL/TUV/CE	13.49	12.15	10.95	9.85
319880CB	Mean Well ⊕	ES18U05-PIJ	5	3000	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.89
228937CB	Phihong ⊕	PSC15A-050	5	3000	2.1mm x 5.5mm F **2**	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.29	11.35	10.95
379621CB	Mean Well ⊕	ES25U05-P1J	5	4000	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380322CB	Mean Well ⊕	ES25U05-P1M	5	4000	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380007CB	Mean Well ⊕	ES25U07-P1J	7.5	2930	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380331CB	Mean Well ⊕	ES25U07-P1M	7.5	2930	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
228890CB	Phihong ⊕	PSC10A-090S	9	1100	2.1mm x 5.5mm F **2**	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	12.79	11.99	10.99	10.49
228945CB	Phihong ⊕	PSC15A-090	9	1600	2.1mm x 5.5mm F **2**	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL ~~$13.55~~	12.85	11.59	10.45	9.39
319898CB	Mean Well ⊕	ES18U09-PIJ	9	2000	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.89
380138CB	Mean Well ⊕	ES25U09-P1J	9	2780	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380349CB	Mean Well ⊕	ES25U09-P1M	9	2780	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
229753CB	Phihong ⊕	PSC10A-120S	12	830	2.1mm x 5.5mm F **2**	90-132@ 57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	12.95	11.89	10.99	10.59
228953CB	Phihong ⊕	PSC15A-120	12	1250	2.1mm x 5.5mm F **2**	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.29	11.35	10.95
312864CB	Mean Well ⊕	ES18U12-P1J	12	1500	2.1mm x 5.5mm F **2**	100-240@50-60	3.2 x 2.1 x 1.3	Black	6'	0.2	UL/CUL/CE	12.29	11.35	10.62	9.89
380154CB	Mean Well ⊕	ES25U12-P1J	12	2080	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380357CB	Mean Well ⊕	ES25U12-P1M	12	2080	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
319919CB	Mean Well ⊕	ES18U15-PIJ	15	1200	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.25
380171CB	Mean Well ⊕	ES25U15-P1J	15	1670	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380365CB	Mean Well ⊕	ES25U15-P1M	15	1670	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.25	12.89
380189CB	Mean Well ⊕	ES25U18-P1J	18	1390	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380373CB	Mean Well ⊕	ES25U18-P1M	18	1390	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
228970CB	Phihong ⊕	PSC15A-240	24	620	2.1mm x 5.5mm F **2**	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	13.55	12.29	11.55	11.46
319927CB	Mean Well ⊕	ES18U24-PIJ	24	750	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.29	11.35	10.62	9.25
380200CB	Mean Well ⊕	ES25U24-P1J	24	1040	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380390CB	Mean Well ⊕	ES25U24-P1M	24	1040	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380218CB	Mean Well ⊕	ES25U28-P1J	28	890	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380402CB	Mean Well ⊕	ES25U28-P1M	28	890	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380234CB	Mean Well ⊕	ES25U36-P1J	36	690	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380411CB	Mean Well ⊕	ES25U36-P1M	36	690	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
380242CB	Mean Well ⊕	ES25U48-P1J	48	520	2.1mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.29	12.35	11.73	11.15
380445CB	Mean Well ⊕	ES25U48-P1M	48	520	2.5mm x 5.5mm F **2**	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.25	13.79	13.35	12.89
Other Manufacturers — Great Deals												Quantity SAVE			
225995CB	Delta Electronics ⊕	ADP-5DB	5	1000	2.5mm x 5.5mm F **2**	100-120@50-60	2.5 x 1.8 x 1.1	Black	6'	0.2	UL	$10.95	$9.85	$7.89	$5.89
308048CB	Potrans ⊕	UWP010210500	5	1500	2.1mm x 5.5mm right angle F **2**	100-240@60	2.8 x 1.4 x 2.1	Black	10'2"	0.5	UL/CUL	11.75	10.58	8.46	6.35
216442CB	AK II Power Supply ⊕	AO5C1-05MP	5	1600	2.5mm x 5.5mm F **2**	100-240@50-60	2.2 x 1.8 x 1.1	Black	6'	0.4	UL/CUL/CE	12.95	11.65	10.49	9.49
308689CB	Fairway Elec. ⊕	WN10A-050	5	2000	2.5mm x 5.5mm F **2**	100-240@50-60	3.0 x 2.0 x 1.2	Black	6'	0.4	UL/CUL/TUV/CE	11.39	10.45	9.98	9.50
189190CB	Interex ⊕	EPA101MU-05B	5	2000	2.5mm x 5.5mm F **1**	100-240@50-60	3.2 x 2.8 x 1.3	Black	6'	0.4	UL/CUL	12.49	11.24	9.25	7.75
210892CB	—	EPA101MU	5	2000	2.5mm x 5.5mm F **2**	100-240@50-60	3.2 x 2.4 x 1.3	Black	6'	0.4	UL/CUL	12.95	11.66	10.49	9.44
248743CB	MEI ⊕	EPA-101M-05A	5	2500	2.1mm x 5.5mm F **2**	120@60	3.2 x 2.4 x 1.4	Black	6'	0.5	UL/CUL	13.49	12.14	9.71	7.28
305066CB	Ault ⊕	SC102TA0503B01	5	3000	2.5mm x 5.5mm F **2**	100-240@47-63	2.9 x 2.0 x 1.6	Black	6'	0.5	UL/CUL	11.65	10.76	10.06	9.36
308671CB	Highpower ⊕	HPW-1009U	9	1110	2.1mm x 5.5mm F **2**	100-240@50-60	3.0 x 2.0 x 1.2	Black	6'	0.3	UL/CUL/TUV/CE	11.89	10.97	10.24	9.50
421649CB	Unifive ⊕	US100913	9	1300	2.5mm x 5.5mm F **2**	100-120@50-60	2.4 x 1.7 x 1.2	Black	6'	0.2	UL/CUL	11.89	10.97	10.42	9.50
298054CB	DVE ⊕	DSA-009-12A	12	750	2.1mm x 5.5mm F **2**	90-132@47-63	2.7 x 1.1 x 1.8	Black	6'	0.3	UL/CUL	11.89	10.70	8.56	6.42
235096CB	DVE ⊕	DSA-0151A-12S	12	1250	2.1mm x 5.5mm F **2**	100-120@50-60	3.2 x 2.1 x 1.4	Black	6'	0.3	UL/CUL	11.95	10.49	8.95	6.95
320311CB	Gilat ⊕	E040105E	24	1670	2.1mm x 5.5mm F **2**	100-240@50-60	3.9 x 2.4 x 1.6	Black	6'	0.7	UL/CUL	14.95	13.46	12.11	10.90

† 3-wire AC input ▲ Brand and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

AC-to-DC Wall Adapters continued on pages 215 - 217

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

We're Listening to Your Requests

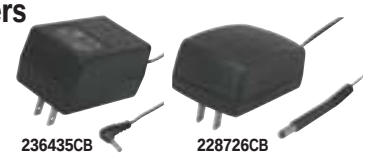
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2-Wire AC Input – AC-to-DC Regulated Linear Wall Adapters

JAMECO ReliaPro • One-year warranty

A Jameco EXCLUSIVE

We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 148) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



Polarity 1 ⊕—•—⊖ (center negative) Polarity 2 ⊖—•—⊕ (center positive)



Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD/Polarity F = female; M = male	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	10	50	100
164101CB	ReliaPro ⊕	RDU050050	5	500	2.1mm x 5.5mm F **2**	120@60	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	$10.95	$9.86	$8.87	$7.98
220935CB	ReliaPro ⊕	DDU050060	5	600	2.1mm x 5.5mm F **1**	120@60	2.7 x 2.2 x 1.9	Black	6'	0.8	UL/CUL	12.29	11.06	8.85	6.64
196411CB	ReliaPro ⊕	DDU050100	5	1000	2.1mm x 5.5mm F **2**	120@60	3.3 x 2.2 x 1.9	Ivory	6'	1.0	UL/CUL	12.05	10.84	9.76	8.78
168605CB	ReliaPro ⊕	DBU050100	5	1000	2.5mm x 5.5mm F **2**	120@60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	12.55	11.54	10.62	9.12
190512CB	ReliaPro ⊕	DBU60020-H3570	6	200	2.1mm x 5.5mm F **2**	120@60	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	7.65	6.89	5.98	4.47
220898CB	ReliaPro ⊕	DCU120020	12	200	2.1mm x 5.5mm F **1**	120@60	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	8.65	7.29	6.85	6.45
162996CB	ReliaPro ⊕	DDU120050	12	500	2.1mm x 5.5mm F **2**	120@60	3.2 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	10.95	9.86	8.87	7.98
170245CB	ReliaPro ⊕	RDU120100	12	1000	2.1mm x 5.5mm F **2**	120@60	3.2 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	15.35	13.82	12.43	10.36
174861CB	ReliaPro ⊕	DFU240050	24	500	2.1mm x 5.5mm F **2**	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	13.15	11.87	10.65	9.62
174879CB	ReliaPro ⊕	RFU240050	24	500	2.5mm x 5.5mm F **2**	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	13.15	11.87	10.65	9.62
Other Manufacturers — Great Deals												Quantity SAVE			
236435CB	APX ⊕	AP2814	5	300	1.3mm x 3.5mm right angle F **2**	120@60	2.9 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	$7.95	$7.16	$5.72	$3.50
319847CB	— ⊕	DV-530R	5	300	2.5mm x 5.5mm F **2**	120@60	2.4 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	7.15	6.45	5.79	4.81
289182CB	AESP ⊕	AD-5600RDU	5	600	2.1mm x 5.5mm F **2**	120@60	3.1 x 2.8 x 1.9	Black	6'	0.9	UL/CUL	10.49	9.45	7.55	5.65
319986CB	— ⊕	DV-580R	5	800	2.5mm x 5.5mm F **2**	120@60	3.2 x 2.2 x 2.0	Black	6'	1.0	UL/CUL	9.95	8.95	8.05	7.25
425519CB	Condor ⊕	DV-51AR	5	1000	2.1mm x 5.5mm F **2**	120@60	3.2 x 2.2 x 2.0	Black	6'	1.2	UL/CUL	10.69	9.87	9.51	8.55
401251CB	— ⊕	AD-51000RDU	5	1000	1.3mm x 3.5mm F **2**	120@60	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.85	8.87	7.98
297941CB	— ⊕	JOD-480-08	5	1000	2.5mm x 5.5mm F **2**	120@60	3.1 x 2.3 x 1.9	Black	6'	0.9	UL	10.99	9.24	8.90	8.00
228726CB	ORB ⊕	777-052000S-UF	5	2000	2.1mm x 5.5mm F **2**	100@60	3.1 x 2.1 x 1.5	Black	5'	0.5	UL/CUL	12.95	11.49	10.49	9.49
154624CB	Motorola ⊕	512-305-4C3E	+5/±12	500/130	8-pin DIN M	120@60	2.9 x 2.6 x 1.9	Black	6'	1.2	UL/CSA	12.95	11.66	10.49	9.44
283573CB	— ⊕	DC600500	6	500	2.1mm x 5.5mm F **2**	120@60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	7.85	7.07	6.36	5.72
190529CB	NOMA ⊕	AD9123	9	250	2.5mm x 5.5mm right angle F **2**	120@60	2.5 x 2.0 x 1.6	Black	12'	0.5	UL/CSA	7.15	6.44	5.79	5.21
425527CB	Condor	48-9-700R	9	700	2.1mm x 5.5mm F **1**	120@60	3.2 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	11.89	10.97	10.42	9.50

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek

2-Wire AC Input – AC-to-DC Unregulated Wall Adapters

JAMECO ReliaPro

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We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 148) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

• Input: 120VAC @ 60Hz • One-year warranty



Polarity 1 ⊕—•—⊖ (center negative)



Polarity 2 ⊖—•—⊕ (center positive)

Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	10	50	100
112070CB	ReliaPro ⊕	DBU050022	5	225	2.5mm x 5.5mm F **2**	1.9 x 2.2 x 2.0	Black	7'	0.3	UL/CSA	$8.05	$7.25	$6.52	$5.87
155601CB	ReliaPro ⊕	DCU050100	5	1000	2.1mm x 5.5mm F **2**	2.6 x 2.0 x 1.7	Black	6'	0.7	UL/CSA	5.19	4.67	4.20	3.50
119255CB	ReliaPro ⊕	DBU060050	6	500	2.1mm x 5.5mm F **1**	2.3 x 1.8 x 1.8	Black	6'	0.6	UL/CUL	4.75	4.28	3.85	3.46
101266CB	ReliaPro ⊕	DBU060050	6	500	2.1mm x 5.5mm F **2**	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	4.59	4.28	3.42	2.57
15544CB	ReliaPro ⊕	DBU060050	6	500	3.5mm M **2**	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	4.75	4.25	3.82	3.44
147707CB	ReliaPro ⊕	DBU060080	6	800	2.1mm x 5.5mm F **2**	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	5.45	4.94	4.46	4.02
220943CB	ReliaPro ⊕	DCU060120	6	1200	2.1mm x 5.5mm F **1**	2.5 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	7.15	6.44	5.79	5.21
220951CB	ReliaPro ⊕	DCU075100	7.5	1000	2.1mm x 5.5mm F **1**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	~~$10.09~~ 9.19	8.29	6.65	4.95
280250CB	ReliaPro ⊕	DDU075110	7.5	1100	2.1mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	6.95	5.49	4.73	4.61
127511CB	ReliaPro ⊕	DDU080100	8	1000	2.1mm x 5.5mm F **2**	3.1 x 2.5 x 2.1	Black	6'	1.3	UL	8.75	7.88	7.09	6.38
Other Manufacturers — Great Deals											Quantity SAVE			
237227CB	Freeplay ⊕	DX351307	4.5	100	1.3mm x 3.5mm F **2**	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	$1.95	$1.76	$1.40	$1.05
320303CB	Globtek ⊕	WRIA1000CCP-N	5	1000	2.1mm x 5.5mm F **2**	3.2 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.86	7.88	5.91
219651CB	—	FE4823-050E120	5	1200	2.5mm x 5.5mm F **2**	3.5 x 2.4 x 1.9	Black	6'	1.2	UL/CUL	5.15	4.47	3.99	3.71
308697CB	Both Hand ⊕	MI-10505	5	2000	2.1mm x 5.5mm F **2**	2.2 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	10.65	9.59	7.67	5.75
237251CB	Freeplay ⊕	DPX350817	6	100	2.1mm x 5.5mm F **2**	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	3.95	3.55	3.19	2.59
243117CB	Regal ⊕	WH060200-10N	6	200	2.5mm x 5.5mm F **1**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.95	3.59	2.85	2.15
302439CB	—	AD-0630M	6	300	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.99	3.56	3.13	2.80
201451CB	APX Technologies ⊕	AP4733	6	700	2.1mm x 5.5mm F **2**	2.6 x 1.9 x 1.4	Black	6'	0.5	UL/CUL	4.95	4.46	3.56	2.67
227951CB	—	JOD-48U-33	6	2100	2.1mm x 5.5mm F **2**	3.3 x 2.2 x 1.9	Black	6'	1.3	UL/CUL	7.79	7.15	6.45	5.79
248751CB	Uniq ⊕	AD-071A	7.5	1000	2.5mm x 5.5mm F **2**	2.3 x 2.3 x 1.9	Black	6'	0.9	UL/CSA	6.49	5.85	4.69	3.50
249279CB	AESP ⊕	FO-AC-4305	7.5	1000	2.1mm x 5.5mm right angle F **2**	3.2 x 2.0 x 1.7	Black	6'	0.8	UL/CUL	6.95	6.25	5.65	5.09
230623CB	—	MKD-48752100	7.5	2100	2.1mm x 5.5mm F **2**	3.3 x 2.2 x 1.9	Black	6'	1.3	UL/CUL	7.95	7.15	6.45	5.79

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek

More AC-to-DC Wall Adapters listed on pages 214 & 216 – 217

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

AC-to-DC Unregulated Wall Adapters (Continued)

RoHS RoHS Compliant Product ⊕ RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

JAMECO ReliaPro



219601CB

A Jameco EXCLUSIVE

We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 148) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

• Input: 120VAC @ 60Hz • One-year warranty



227774CB



213559CB

Polarity 1 ⊕—c—⊖ (center negative)



Female



Male



Stripped

Polarity 2 ⊖—c—⊕ (center positive)

Quantity SAVE

Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating Voltage (VDC)	Output Rating Current (mA)	Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
100845CB	ReliaPro ⊕	DBU090020	9	200	2.1mm x 5.5mm F **2**	2.1 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	$4.35	$3.95	$3.18	$2.37
134025CB	ReliaPro ⊕	DBU090020	9	200	2.1mm x 5.5mm F **1**	2.1 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.45	4.90	3.92	2.94
100837CB	ReliaPro ⊕	DBU090020	9	200	3.5mm M **2**	2.6 x 1.8 x 1.6	Black	6'	0.4	UL/CSA	4.35	3.95	3.58	3.25
133891CB	ReliaPro ⊕	DBU090030	9	300	2.1mm x 5.5mm F **2**	2.0 x 1.5 x 1.5	Black	6'	0.4	UL/CSA	4.35	3.49	3.05	2.75
189238CB	ReliaPro ⊕	DBU090030	9	300	2.5mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	4.79	4.31	3.45	2.59
318676CB	ReliaPro ⊕	DBU090030	9	300	2.5mm x 5.5mm F **1**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	4.29	3.83	3.37	3.20
202155CB	ReliaPro ⊕	DBU090035	9	350	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.3	UL/CUL	3.65	3.26	2.93	2.64
140636CB	ReliaPro ⊕	DCU090040	9	400	2.5mm x 5.5mm F **2**	2.6 x 2.0 x 2.0	Black	6'	0.6	UL/CSA	4.59	4.17	3.73	3.36
202171CB	ReliaPro ⊕	DCU090045	9	450	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.5	UL/CUL	4.35	3.91	3.13	2.35
163627CB	ReliaPro ⊕	DCU090050	9	500	2.1mm x 5.5mm F **1**	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	6.05	5.44	4.90	4.35
100853CB	ReliaPro ⊕	DCU090050	9	500	2.1mm x 5.5mm F **2**	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	5.45	4.90	4.41	3.97
147731CB	ReliaPro ⊕	AD-11950	9	500	2.1mm x 5.5mm F **2**	2.6 x 2.0 x 1.7	Beige	6'	0.6	UL/CSA	3.79	3.45	3.41	3.39
236937CB	ReliaPro ⊕	DCU090050A	9	500	2.5mm x 5.5mm right angle F **2**	2.5 x 2.0 x 1.7	Black	6'	0.4	UL/CSA	6.35	5.72	5.14	4.63
15561CB	ReliaPro ⊕	DCU090050	9	500	3.5mm M **2**	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	5.35	4.81	4.33	3.90
202180CB	ReliaPro ⊕	DCU090060	9	600	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.39	4.83	4.35	3.68
100175CB	ReliaPro ⊕	DCU090060	9	600	2.5mm x 5.5mm F **2**	2.7 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.05	5.22	4.68	4.35
202198CB	ReliaPro ⊕	DCU09080	9	800	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	7.65	6.89	6.20	5.58
364576CB	ReliaPro ⊕	DDU090100J0490	9	1000	2.1mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	8.75	7.87	6.98	6.06
127504CB	ReliaPro ⊕	DC910F5-VP	9	1000	2.5mm x 5.5mm F **2**	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	8.25	7.42	6.68	5.55
15587CB	ReliaPro ⊕	DDU090100	9	1000	3.5mm M **2**	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	8.75	7.88	6.30	4.73
130526CB	ReliaPro ⊕	DDE090120	9	1200	2.1mm x 5.5mm F **1**	2.4 x 2.0 x 1.8	Black	6'	1.0	UL/CSA	9.85	8.86	7.08	5.31
143693CB	ReliaPro ⊕	DFU0901500A3040	9	1500	2.1mm x 5.5mm F **2**	3.3 x 2.5 x 2.3	Black	6'	1.3	UL/CSA	10.95	9.86	7.65	5.70
163993CB	ReliaPro ⊕	DBU120020	12	200	2.1mm x 5.5mm right angle F **1**	2.4 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.25	4.73	4.25	3.83
100095CB	ReliaPro ⊕	DBU120020	12	200	2.1mm x 5.5mm F **2**	2.1 x 1.8 x 1.5	Black	6'	0.4	UL/CSA	4.35	3.92	3.12	2.34
158043CB	ReliaPro ⊕	DBU120020	12	200	2.1mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.95	4.46	4.01	3.61
220433CB	ReliaPro ⊕	DBU120020	12	200	2.5mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Lt. Gray	6'	0.4	UL/CSA	4.85	4.35	3.91	3.52
185658CB	ReliaPro ⊕	DBU120020	12	200	2.5mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	5.29	4.76	4.28	3.56
219601CB	ReliaPro ⊕	DCU120025	12	250	Stripped & tinned	2.5 x 2.0 x 1.7	Dk. Gray	6'	0.4	UL/CUL	4.35	3.91	3.12	2.34
318692CB	ReliaPro ⊕	DBU120030	12	300	1.3mm x 3.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.59	3.73	3.29	2.52
127976CB	ReliaPro ⊕	DCU120030	12	300	2.1mm x 5.5mm F **2**	2.6 x 1.8 x 1.6	Black	6'	0.7	UL/CSA	5.25	4.59	3.85	3.25
249236CB	ReliaPro ⊕	DBU120030	12	300	2.5mm x 5.5mm right angle F **2**	2.2 x 1.7 x 1.5	Black	6'	0.5	UL/CUL	5.35	4.23	3.73	3.40
190502CB	ReliaPro ⊕	ADA-410	12	400	2.1mm x 5.5mm right angle F **2**	2.6 x 2.1 x 1.9	Black	6'	0.5	UL/CUL	7.35	6.62	5.30	4.00
114825CB	ReliaPro ⊕	DCU120050	12	500	Connector end may vary	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	5.25	4.78	3.80	2.85
15368CB	ReliaPro ⊕	DCU120050	12	500	2.1mm x 5.5mm F **1**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	7.15	6.44	5.79	5.21
102496CB	ReliaPro ⊕	DCU120050	12	500	2.1mm x 5.5mm F **2**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	5.79	4.58	4.00	3.81
131300CB	ReliaPro ⊕	DCU120050	12	500	2.1mm x 5.5mm right angle F **2**	2.6 x 1.9 x 1.7	Beige	6'	0.6	UL/CSA	6.05	5.44	4.90	4.41
102277CB	ReliaPro ⊕	DCU120050U	12	500	2.5mm x 5.5mm F **2**	2.5 x 2.1 x 1.7	Black	6'	0.6	UL/CSA	5.69	5.12	4.61	4.15
17267CB	ReliaPro ⊕	DCU120050	12	500	3.5mm M **2**	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	5.69	5.12	4.61	4.15
202201CB	ReliaPro ⊕	DCU120060	12	600	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.45	4.90	4.32	3.99
202219CB	ReliaPro ⊕	DCU120070	12	700	2.1mm x 5.5mm F **2**	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.69	5.14	4.11	3.08
Other Manufacturers — Great Deals														
308056CB	—	A40910M	8.7	1000	2.1mm x 5.5mm F **2**	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	$6.75	$6.09	$5.49	$4.55
622563CB	Stancor ⊕	STA-3590B	9	100	2.1mm x 5.5mm F **1**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.95	3.55	3.19	2.89
265480CB	Uniden ⊕	AD-600B	9	100	2.1mm x 5.5mm right angle F **2**	2.1 x 1.4 x 1.4	Black	6'	0.3	UL/CSA	3.49	2.79	2.45	2.35
265498CB	Uniden	AD-600W	9	100	2.1mm x 5.5mm right angle F **2**	2.1 x 1.4 x 1.4	White	6'	0.3	UL/CSA	~~$3.49~~ 1.65	1.49	1.35	1.25
355936CB	— ⊕	35-9-200C	9	200	1.3mm x 3.5mm F **2**	2.5 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.79	3.41	2.72	2.05
237243CB	Freeplay ⊕	DPX351322	9	200	2.1mm x 5.5mm F **2**	2.4 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	3.79	3.45	3.15	2.79
400899CB	WABI ⊕	LF09250D-08	9	250	2.5mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	4.09	3.27	2.86	2.72
189237CB	ACI World ⊕	35-9-300C	9	300	2.5mm x 5.5mm F **2**	2.2 x 1.7 x 1.4	Black	6'	0.4	UL/CSA	4.65	3.57	3.24	2.58
169519CB	Panasonic ⊕	KX-TCA1	9	350	2.1mm x 5.5mm right angle F **1**	2.7 x 1.7 x 1.6	Dk. Gray	6'	0.4	UL/CSA	3.85	3.47	3.12	2.81
319177CB	Explore Tech. ⊕	41-9-5000	9	500	2.1mm x 5.5mm F **2**	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.15	3.74	3.23	2.43
170270CB	Panasonic ⊕	PQLV1	9	500	2.1mm x 5.5mm right angle F **1**	2.7 x 1.9 x 1.8	Gray	6'	0.6	UL/CSA	4.95	4.46	3.56	2.67
652341CB	Cidco ⊕	SPA-4180-65	9	600	2.5mm x 5.5mm right angle F **2**	2.6 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	5.29	4.75	4.10	3.75
421577CB	Powerline ⊕	0900-12	9	850	2.5mm x 5.5mm F **2**	2.7 x 2.1 x 1.7	Black	6'	0.8	UL/CSA	7.35	6.63	5.86	5.56
164929CB	— ⊕	DDU090100	9	900	2.1mm x 5.5mm F **1**	2.7 x 2.3 x 1.8	Black	6'	0.9	UL/CUL	8.75	7.86	6.33	4.72
227774CB	GTE ⊕	ADP2108GT	9	1000	2.1mm x 5.5mm right angle F **2**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	7.95	7.15	6.45	5.59
421690CB	Fisher-Price ⊕	SA48-29A	9	1000	2.1mm x 5.5mm F **2**	3.1 x 2.2 x 1.8	Black	6'	1.1	UL/CSA	7.15	5.68	4.97	4.71
285958CB	API ⊕	AP2072P	9	1000	2.5mm x 5.5mm right angle F **2**	2.5 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	6.95	6.26	5.63	5.05
237067CB	APS ⊕	D9-15-950	9	1500	2.5mm x 5.5mm F **2**	3.1 x 2.3 x 1.9	Black	6'	1.3	UL/CUL	9.95	8.96	7.16	5.37
355602CB	Southwestern Bell ⊕	U120020D	12	200	2.1mm x 5.5mm F **2**	2.2 x 1.6 x 1.4	Black	6'	0.3	UL/CUL	3.89	3.25	2.95	2.84
211238CB	Quotrek ⊕	35D-12-250	12	250	2.5mm right angle M **2**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	3.95	3.55	2.89	2.15
201099CB	— ⊕	SPN4230A	12	300	1.3mm x 3.5mm right angle F **2**	2.3 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	4.99	4.49	4.05	3.35
355590CB	Southwestern Bell	PS-400	12	400	2.1mm x 5.5mm F **2**	2.4 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	4.99	4.49	3.99	3.59

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek

More AC-to-DC Wall Adapters listed on pages 214 – 215 & 217

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

AC-to-DC Unregulated Wall Adapters

JAMECO ReliaPro

A Jameco EXCLUSIVE

We specialize in Wall Adapters – Call for additional OEM PRICING.
We will change any power plug (pg 148) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

• Input: 120VAC @ 60Hz • One-year warranty

Quantity SAVE

Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating Voltage (VDC)	Output Rating Curr. (mA)	Output Connector ID x OD/Polarity F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	10	50	100
121232CB	ReliaPro ⊕	DDU120080	12	800	3.5mm M **2**	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	$6.79	$6.13	$4.91	$3.67
117479CB	ReliaPro ⊕	DDU120080	12	800	2.1mm x 5.5mm F **2**	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.65	6.89	6.20	5.58
129331CB	ReliaPro ⊕	DDU120080	12	800	2.5mm x 5.5mm F **2**	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	6.05	5.44	4.90	4.46
100870CB	ReliaPro ⊕	DDU120100	12	1000	2.1mm x 5.5mm F **2**	2.6 x 2.4 x 1.9	Black	6'	0.9	UL/CSA	8.99	8.09	7.28	6.55
105478CB	ReliaPro ⊕	DDU120100	12	1000	2.5mm x 5.5mm F **2**	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.25	7.42	6.30	4.73
15392CB	ReliaPro ⊕	DDU120100	12	1000	3.5mm M **2**	3.3 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.75	7.88	7.09	6.38
213559CB	ReliaPro ⊕	GPC-081	12	1000	Auto lighter power outlet	4.3 x 2.2 x 1.9	Black	—	1.1	UL/CUL	13.95	12.56	10.04	7.53
196779CB	ReliaPro ⊕	DDU120120	12	1200	2.5mm x 5.5mm F **2**	3.0 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.69	8.70	7.81	6.92
203036CB	ReliaPro ⊕	DDU120150	12	1500	2.1mm x 5.5mm F **1**	3.3 x 2.2 x 1.9	Black	6'	1.5	UL/CUL	14.25	12.82	10.29	7.69
313226CB	ReliaPro ⊕	DFU120150	12	1500	Stripped & tinned (w/ on-off switch)	3.4 x 2.6 x 2.2	Black	8'	1.5	UL	11.45	10.40	9.33	8.30
136881CB	ReliaPro ⊕	DFU120150	12	1500	2.1mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	14.25	12.82	11.54	10.39
101291CB	ReliaPro ⊕	D571201500U	12	1500	2.5mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	11.45	10.30	9.27	8.35
249738CB	ReliaPro ⊕	MW57-1202000	12	2000	Stripped & tinted	3.3 x 2.7 x 2.2	Black	10'	2.0	UL/CUL	9.95	8.95	8.05	7.25
308099CB	ReliaPro ⊕	DDU135100	13.5	1000	2.1mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	8.95	8.09	7.16	6.22
212812CB	ReliaPro ⊕	DBU140020	14	200	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	3.35	3.07	2.80	2.52
212821CB	ReliaPro ⊕	DBU140030	14	300	2.1mm x 5.5mm F **2**	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	4.95	4.45	3.55	2.66
123932CB	ReliaPro ⊕	DDU140070	14	700	2.1mm x 5.5mm F **2**	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	9.35	8.41	6.73	5.05
202243CB	ReliaPro ⊕	DDU140070	14	700	2.5mm x 5.5mm F **2**	3.9 x 2.9 x 2.4	Black	6'	0.8	UL/CUL	7.99	7.18	5.74	4.31
202260CB	ReliaPro ⊕	DDU140100	14	1000	2.1mm x 5.5mm F **2**	3.9 x 2.9 x 2.4	Black	6'	0.9	UL/CUL	8.75	7.65	6.88	6.15
190001CB	ReliaPro ⊕	DCU150050	15	500	2.1mm x 5.5mm F **2**	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.15	6.42	5.79	5.21
189982CB	ReliaPro ⊕	DCU150050	15	500	2.5mm x 5.5mm F **2**	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.65	6.92	5.55	4.17
155803CB	ReliaPro ⊕	DDU150060	15	600	2.1mm x 5.5mm F **1**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CSA	9.85	8.86	7.09	5.31
232258CB	ReliaPro ⊕	DDU150080	15	800	2.1mm x 5.5mm F **1**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL	9.35	8.41	6.73	5.05
203502CB	ReliaPro ⊕	DDU150090	15	900	2.5mm x 5.5mm F **2**	2.6 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	7.65	6.89	5.51	4.13
151992CB	ReliaPro ⊕	DDU150100	15	1000	2.1mm x 5.5mm F **1**	3.1 x 2.0 x 1.9	Beige	6'	1.5	UL/CSA	9.35	8.41	6.72	5.04
191652CB	ReliaPro ⊕	DDU150100	15	1000	2.1mm x 5.5mm F **2**	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	10.55	9.50	8.55	7.69
162317CB	ReliaPro ⊕	DDU165050	16	500	2.1mm x 5.5mm F **2**	2.5 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	8.75	7.65	6.86	6.15
181729CB	ReliaPro ⊕	DCU180025	18	250	2.1mm x 5.5mm F **2**	2.6 x 2.0 x 1.6	Black	6'	0.6	UL	7.65	6.89	5.50	4.12
163272CB	ReliaPro ⊕	DDU180050-2	18	500	2.1mm x 5.5mm F **2**	2.6 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	10.95	9.86	8.38	6.28
206958CB	ReliaPro ⊕	DDU180100	18	1000	2.5mm x 5.5mm F **2**	3.3 x 2.2 x 1.9	Black	6'	1.4	UL/CUL	10.95	9.86	7.91	5.93
102285CB	ReliaPro ⊕	DDU240040	24	400	2.1mm x 5.5mm F **2**	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.75	7.91	7.09	6.43
163635CB	ReliaPro ⊕	DDU240050	24	500	2.1mm x 5.5mm F **1**	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.85	8.86	7.08	5.31
191556CB	ReliaPro ⊕	DDU240050	24	500	2.5mm x 5.5mm F **2**	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.85	8.89	7.98	6.66
139088CB	ReliaPro ⊕	DDU240050	24	500	3.5mm M **2**	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	8.75	7.19	6.45	5.35
168495CB	ReliaPro ⊕	DFU240080	24	800	2.1mm x 5.5mm F **2**	2.9 x 1.9 x 1.6	Black	6'	0.4	UL/CUL/TUV	12.05	10.84	9.76	8.78
220960CB	ReliaPro ⊕	DFU240100	24	1000	2.1mm x 5.5mm F **1**	3.4 x 2.7 x 2.2	Black	6'	1.6	UL/CUL	15.29	14.25	12.53	11.98
249130CB	ReliaPro ⊕	AFU240120/G8530	24	1200	2.1mm x 5.5mm F **1**	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
249121CB	ReliaPro ⊕	DFU240120/G8520	24	1200	2.1mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
249113CB	ReliaPro ⊕	DFU240120/G8510	24	1200	2.5mm x 5.5mm F **2**	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	17.55	16.34	14.40	13.74
199523CB	ReliaPro ⊕	DDU300050	30	500	2.5mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	10.95	9.86	8.87	7.98
215095CB	ReliaPro ⊕	MW48-4800250	48	250	2.5mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	8.35	7.49	6.79	6.05
230631CB	ReliaPro ⊕	MW48-4800250-2.1	48	250	2.1mm x 5.5mm F **2**	3.3 x 2.7 x 2.2	Black	6'	1.1	UL/CUL	~~$7.95~~ 4.89	4.39	3.99	3.65
215108CB	ReliaPro ⊕	MW48-4800500	48	500	2.5mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	10.95	9.85	8.85	7.95
230640CB	ReliaPro ⊕ ✪	MW48-480500-2.1	48	500	2.1mm x 5.5mm F **2**	3.3 x 2.7 x 2.2	Black	6'	1.1	UL/CUL	11.95	10.76	8.60	6.45
Other Manufacturers — Great Deals														
200125CB	Noostuff Inc. ⊕	DV1250	12	500	2.5mm x 5.5mm F **1**	2.4 x 2.0 x 1.6	Black	6'	1.0	UL/CSA	$4.25	$3.82	$3.44	$3.10
305103CB	— ⊕	AD1250-5LE	12	500	2.1mm x 5.5mm F **2**	2.6 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	~~$4.89~~ 4.39	3.99	3.15	2.39
320266CB	CUI ⊕	DV-1280	12	800	2.1mm x 5.5mm F **2**	2.4 x 2.4 x 2.0	Black	6'	0.8	UL/CSA	6.09	5.49	4.38	3.29
237358CB	QSE ⊕	P155-D150567	12	800	2.5mm x 5.5mm F **2**	3.0 x 2.3 x 1.9	Black	6'	0.9	UL	5.19	4.69	4.19	3.79
211051CB	Calrad †	DV-1280 Dual	12	800	2.5mm x 5.5mm rt angle F **2** w/ input switch	2.6 x 2.4 x 1.9	Black	6'	0.9	None	~~$4.85~~ 2.35	2.19	1.99	1.79
240101CB	Broadxent ⊕	AD-121AN	12	1000	2.1mm x 5.5mm F **2**	2.8 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	6.99	6.29	5.66	5.09
199566CB	Superworld ⊕	WK1201A01DN	12	1000	2.5mm x 5.5mm F **2** (w/ RF filter)	3.2 x 2.2 x 2.0	Black	6'	1.2	UL/CSA	6.95	6.26	5.63	5.07
189579CB	Fellowes ⊕	BCU12100	12	1000	2.5mm x 5.5mm right angle F **2**	3.2 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	8.75	7.91	6.32	4.79
189211CB	ACI World ⊕	57-12-1500D	12	1500	8-pin mini DIN M	3.4 x 2.6 x 2.2	Black	3'4"	1.7	UL/CUL	5.45	4.94	3.95	2.96
371987CB	New Star ⊕	NS-889	13	1200	2.1mm x 5.5mm F **2**	3.6 x 2.4 x 1.9	Black	6'	1.2	UL	6.59	5.30	4.65	4.41
192786CB	— ⊕	MK135100	13.5	1000	2.1mm x 5.5mm F **1**	2.9 x 2.3 x 2.0	Black	6'	1.0	UL/CSA	6.95	4.29	3.86	3.55
447081CB	Technics ⊕	TEAD-48-131000U	13.5	1000	2.1mm x 5.5mm F **2**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	7.99	7.08	6.28	5.45
129314CB	— ⊕	DV-1250	14	360	2.5mm x 5.5mm right angle F **2**	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	5.19	4.67	3.74	2.80
217541CB	NiteRider ⊕	FE4116168C030	16.8	300	2.5mm x 5.5mm F **2** w/ LED indicator	3.1 x 2.1 x 1.6	Black	6'	0.6	UL/CUL	4.45	4.00	3.20	2.40
217568CB	NiteRider ⊕	FE4126180P040	18	400	2.5mm x 5.5mm F **2** w/ LED indicator	3.5 x 2.1 x 1.6	Black	6'	0.8	UL/CUL	5.99	5.39	4.31	3.23
206957CB	GlobTek	WD1H1000LCX	18	1000	2.5mm x 5.5mm F **2**	3.4 x 2.6 x 2.1	Black	6'	1.4	None	9.95	8.96	7.16	5.37
404339CB	Ault ⊕	P48240500A020G	24	500	2.1mm x 5.5mm F **2**	2.5 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.45	5.99	5.24	4.97
196322CB	3Com ⊕	P48240600A020G	24	600	2.1mm x 5.5mm F **2**	3.3 x 2.3 x 1.9	Black	6'	1.1	UL/CSA	8.95	8.06	7.25	6.44
15309CB	— ⊕	900-051	3, 4.5, 6, 7.5, 9, 12	500	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 **Female** 2.5, 3.5 **Male**, 9V battery snap (LED ind.)	3.0 x 2.2 x 2.1	Black	6'	0.7	UL/CSA	9.49	8.54	7.69	6.92
123158CB	— ⊕	900-100 †	1.5, 3, 4.5, 6, 7.5, 9, 12	1000	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 **Female** 2.5, 3.5 **Male**, 9V battery snap (LED ind.)	3.7 x 2.2 x 2.5	Black	6'	0.9	—	10.95	9.86	8.87	7.98

† 120 to 220VAC ▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek ✪ Blue P/N = Limited Quantity Available

More AC-to-DC Wall Adapters listed on pages 214 - 216

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

2-Wire AC Input – AC-to-AC Wall Adapters

RoHS RoHS Compliant Product ⊕ RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

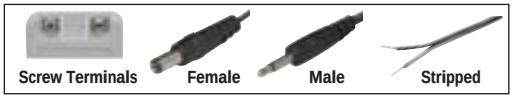
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We will change any power plug (pg 148) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

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236814CB


233293CB



Quantity SAVE

• Input: 120VAC @ 60Hz • One-year warranty

c UL SP UL


308718CB


206421CB

Part Number	Brand ▲	Cross Ref. Number ▲	Output Rating Voltage (VAC)	Output Rating Current (mA)	Output Connector ID x OD Plug Type F = female; M = male	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing 1	Pricing 10	Pricing 50	Pricing 100
249017CB	ReliaPro ⊕	ACU070150	7	1500	2.5mm x 5.5mm **F**	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	$5.69	$5.15	$4.10	$3.09
100061CB	ReliaPro ⊕	ACU090050	9	500	2.1mm x 5.5mm **F**	2.7 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	5.05	4.53	3.63	2.73
236814CB	ReliaPro ⊕	ACU090080	9	800	3.5mm **M**	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	5.45	4.90	4.41	3.97
102234CB	ReliaPro ⊕	ACU090100	9	1000	2.1mm x 5.5mm **F**	3.2 x 2.2 x 1.9	Black	6'	0.6	UL/CSA	6.05	5.44	4.90	4.41
157041CB	ReliaPro ⊕	ACU090100	9	1000	2.5mm x 5.5mm **F**	2.1 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	7.65	6.89	6.20	5.58
112336CB	ReliaPro ⊕	ACU090150	9	1500	2.5mm x 5.5mm **F**	2.5 x 2.2 x 2.0	Black	6'	0.9	UL	10.95	9.86	8.87	7.98
101258CB	ReliaPro ⊕	ACU120050	12	500	2.1mm x 5.5mm **F**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	5.05	4.54	3.71	3.28
10081CB	ReliaPro ⊕	ACU120100	12	1000	2.1mm x 5.5mm **F**	2.6 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	5.69	5.14	4.62	4.16
100167CB	ReliaPro ⊕	A411201000U	12	1000	2.5mm x 5.5mm **F**	3.2 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	5.69	5.12	4.61	4.15
10428CB	ReliaPro ⊕	ACU120100	12	1000	3.5mm **M**	2.6 x 2.4 x 2.0	Black	6'	0.6	UL/CUL	5.69	5.15	4.65	4.19
167151CB	ReliaPro ⊕	ADU120150	12	1500	2.1mm x 5.5mm **F**	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	5.45	4.94	4.39	3.69
307838CB	ReliaPro ⊕	ADU120160	12	1600	2.5mm x 5.5mm **F**	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	13.95	11.19	9.79	9.30
153761CB	ReliaPro ⊕	ADU120160	12	1600	3.5mm **M**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL	12.05	10.84	9.76	8.78
171408CB	ReliaPro ⊕	ACU140050	14	500	2.1mm x 5.5mm **F**	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.44	3.55	2.66
318684CB	ReliaPro ⊕	ACU140085	14	850	2.5mm x 5.5mm right angle **F**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	11.95	9.00	8.03	6.85
100108CB	ReliaPro ⊕	ADU160100	16	1000	2.1mm x 5.5mm **F**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	8.75	7.88	6.30	4.73
163053CB	ReliaPro ⊕	ADU160110	16	1100	2.5mm x 5.5mm **F**	3.2 x 2.3 x 1.8	Black	6'	1.1	UL/CSA	9.85	8.79	7.08	5.31
121216CB	ReliaPro ⊕	ADU180100	18	1000	2.1mm x 5.5mm **F**	3.1 x 2.7 x 1.9	Black	6'	1.1	UL/CUL	9.85	8.86	7.98	6.77
87581CB	ReliaPro ⊕	ADU240050	24	500	2.1mm x 5.5mm **F**	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	5.69	5.12	4.61	4.15
140599CB	ReliaPro ⊕	ADU240100	24	1000	2.1mm x 5.5mm **F**	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	9.85	8.90	7.14	5.38
10102CB	ReliaPro ⊕	ADU240100	24	1000	3.5mm **M**	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	8.75	7.89	7.09	5.95
176356CB	ReliaPro ⊕	AFU240125	24	1250	2.1mm x 5.5mm **F**	3.4 x 2.7 x 2.2	Black	5'8"	1.6	None	11.55	10.40	9.36	8.42
Other Manufacturers — Great Deals														
101127CB	Siemens	DFX10096B	7	1500	2.5mm x 5.5mm **F**	1.9 x 2.2 x 2.0	Black	7'6"	0.8	UL/CSA	$5.45	$4.90	$3.92	$2.94
210729CB	ITE Power Supply ⊕	MKA35090300	9	300	2.1mm x 5.5mm **F**	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	3.95	3.55	2.84	2.13
184751CB	PhoneMate	M/N40	9	450	2.1mm x 5.5mm right angle **F**	2.8 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	4.19	3.77	3.39	3.05
226131CB	US Robotics ⊕	AA0950	9	500	2.5mm x 5.5mm **F**	2.5 x 2.1 x 1.7	Black	6'	0.5	UL/CSA	4.49	3.99	3.65	3.29
249295CB	Pacrim ⊕	41A-9-700	9	700	2.5mm x 5.5mm **F**	2.3 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	~~$4.49~~ 3.99	3.59	3.25	2.95
233293CB	Horizon ⊕	ACU090080	9	800	2.1mm x 5.5mm **F**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL	5.15	4.67	4.17	3.75
355531CB	— ⊕	MW41-0901000A	9	1000	2.1mm x 5.5mm **F**	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	4.45	4.00	3.20	2.40
320258CB	US Robotics ⊕	T48091500A010G	9	1500	2.5mm x 5.5mm **F**	2.5 x 2.2 x 2.0	Black	6'	0.9	UL/CSA	8.95	8.05	6.44	4.83
217550CB	Frino ⊕	FW6798	9	1900	Stripped and tinned	2.8 x 2.5 x 2.0	Black	6'8"	1.1	UL/CSA	8.49	7.64	6.11	4.58
211271CB	Orig. Elec. Mfg. ⊕	AA-1250	12	500	2.5mm x 5.5mm **F**	2.3 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	4.59	4.15	3.65	3.29
355581CB	Code-A-Phone ⊕	DV-1283-2.1	12	830	2.1mm x 5.5mm **F**	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.99	4.49	3.59	2.69
285069CB	Shogyo ⊕	DV-1283	12	830	2.5mm x 5.5mm **F**	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.55	4.13	3.70
309884CB	— ⊕	AA-121A	12	1000	2.1mm x 5.5mm **F**	2.5 x 2.0 x 1.7	Black	6'	—	UL/CUL	4.89	4.40	3.52	2.64
206404CB	MG Electronics ⊕	MGT1220	12	1670	Screw terminals	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	6.95	6.29	5.65	5.09
210737CB	ITE Power Supply ⊕	PPI-1212UL	13	1200	2.1mm x 5.5mm **F**	3.3 x 2.4 x 2.0	Black	6'	0.9	UL/CUL	~~$5.45~~ 4.95	4.49	3.59	2.69
421585CB	JBL Inc ⊕	A12-1A-01	14	850	2.5mm x 5.5mm **F**	2.5 x 1.9 x 1.6	White	6'	0.6	UL/CSA	5.55	4.85	4.32	4.03
201101CB	Motorola ⊕	SPN4340A	15	200	1.3mm x 3.5mm **F**	2.2 x 1.8 x 1.5	Black	6'	0.5	UL/CSA	1.69	1.52	1.37	1.23
227791CB	Ault ⊕	T41180500A0206	18	500	2.1mm x 5.5mm **F**	2.6 x 1.9 x 1.7	Black	6'	1.1	None	3.95	3.55	3.19	2.88
185439CB	Ault ⊕	T5182200-A020G	18	1850	2.1mm x 5.5mm right angle **F**	3.3 x 2.7 x 2.2	Black	6'	1.7	None	8.25	7.42	6.68	5.58
308718CB	Comtrend ⊕	ACU-190051	19	510	2.5mm x 5.5mm right angle **F**	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	5.39	4.85	4.39	3.65
206421CB	MG Electronics ⊕	MGT2410	24	420	Screw terminals	2.5 x 2.0 x 1.7	White	—	0.6	UL/CSA	6.49	5.84	5.26	4.73
206439CB	MG Electronics ⊕	MGT2420	24	830	Screw terminals	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	7.19	6.49	5.85	5.25
305091CB	Ault ⊕	3264024000A1	24	1600	3.5mm **M**	2.9 x 2.7 x 2.2	Black	6'	1.5	UL	9.95	8.54	8.06	7.25

▲ Brand and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Triad AC/DC Wall Adapters



NEW ON THE WEB

- AC/DC unregulated
- Input rating: 120VAC @ 60Hz
- Output rating: 6-18VDC • 6' cord lengths

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AC-to-AC Table-Top Step-Down Adapter

- Input voltage: 120VAC @ 60Hz
- Output current: 4.0A
- Output plug: 2.1mm (ID) x 5.5mm (OD) female
- Attached AC cord
- Agency approvals: CSA
- Size: 3.7"L x 2.9"W x 2.5"H
- Output volts: 16VAC
- Output watts: 64W
- Cord (AC/AC): 6'/6'
- Color: black
- Weight: 2.8 lbs.

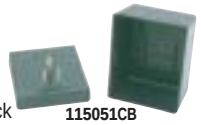
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Part No.	Manufacturer	Product Number	1	10	50
176604CB	Jameco ⊕	TA661640	$14.25	$12.82	$11.54

Wall Adapter Enclosures

- Enclosures include 3-prong power plug and cable strain relief
- Size: 3.4"H x 2.7"W x 2.3"D
- Material: noryl • Color: black



115051CB

Part No.	Style	1	10	100
115051CB	Non-vented ⊕	$2.25	$1.95	$1.69
115043CB	Vented ⊕	2.59	2.33	2.10

International Step-Up and Step-Down Transformers

- Wide selection to meet your power requirements

Quantity SAVE

Part Number	Cross Ref. Number*	Fig.	Type	Primary Voltage	Secondary Voltage	Power (VA)	Dimensions H"	W"	D"	Weight (lbs.)	Pricing 1	10	100
99573CB	AC110V50 ⊕	1/A	Auto	220VAC	110VAC	50	2.50	1.63	1.33	0.7	$9.95	$8.99	$8.09
85016CB	AC110V300 ⊕	2/A	Auto	220VAC	110VAC	300	3.50	3.05	3.95	4.8	27.95	24.95	22.49
111851CB	AC110V500 ⊕	2/A	Auto	220VAC	110VAC	500	3.99	3.60	4.84	8.5	34.95	31.49	28.95
221250CB	GSD-1000 ⊕	2/A	Auto	220VAC	110VAC	1000	4.63	3.81	6.06	17.0	59.95	50.96	38.22
142906CB	AC110V1500 ⊕	2/A	Auto	220VAC	110VAC	1500	5.25	4.50	5.75	15.2	79.95	71.95	63.69
99477CB	AC220V50 ⊕	1/B	Auto	110VAC	220VAC	50	2.50	1.63	1.33	0.7	8.95	8.09	7.25
85008CB	AC220V300 ⊕	2/B	Auto	110VAC	220VAC	300	3.50	3.05	3.95	4.8	27.95	23.76	17.82
221217CB	P8689 ⊕	2/B	Auto	110VAC	220VAC	1000	4.63	3.75	6.13	17.0	61.95	57.55	43.85
221313CB	G1SD-500 ⊕	2/A	Isolation	220VAC	110VAC	500	4.69	3.75	6.00	16.0	78.95	67.11	50.33
222092CB	G1SD-1000 ⊕	2/A	Isolation	220VAC	110VAC	1000	5.38	4.38	8.13	31.0	149.95	127.46	95.59
221330CB	G1S-500 ⊕	2/B	Isolation	110VAC	110VAC	500	4.69	3.75	6.00	16.0	78.95	69.95	57.49

* Manufacturer may vary



Fig. 1



Fig. 2



Fig. A Plug



Fig. B Plug



Output Receptacle

Fixed and Variable Power Transformers

6VAC/9VAC Dual Output Power Transformer

12VA

- Input voltage: 120VAC
- Output voltage: 6VAC @ 500mA center tap (blue wires); 9VAC @ 1A center tap (yellow wires)
- Size: 2.1"L x 3.2"W x 2.0"H • Weight: 1.3 lbs.



Part No.	Cross Ref. No.	1	10	100
183089CB	YS57H-099FAA ⊕	$3.95	$3.56	$2.84

EMI Suppression Cores with Case

Reduce Electromagnetic Interference (EMI) with a snap of these suppression cores around a power cord or data cord. Easy to install and an affordable way to reduce EMI without redesigning your product.



Closed Open

Round

Part No.	Size (OutDia. x InDia. x L)	1	10	100
218173CB	.64" x .20" x 1.15" ⊕	$.99	$.89	$.79
217841CB	.78" x .34" x 1.40" ⊕	1.45	1.29	1.15
318705CB	.82" x .45" x 1.42" ⊕	1.39	1.29	1.25

Square

Part No.	Size (L" x W" x H")	1	10	100
421673CB	1.25 x .71 x .74 (white) ⊕	$1.85	$1.70	$1.55
421681CB	1.30 x .70 x .77 (black) ⊕	1.85	1.70	1.55

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at www.Jameco.com.

320VA Variable AC Transformer

- Input voltage: 110VAC @ 50-60Hz
- Matching input/output terminals: P/N 103667CB and 109111CB (disconnect .25" solderless terminals), pg 146
- Maximum current: 2.5A
- Shaft length: 0.5" • Panel mount
- Size: 2.8"Dia. x 2.1"H
- Weight: 2.5 lbs. • One-year warranty



Includes: 3 disconnect .25" solderless terminals

Part No.	Description	1	10	50
149323CB	320VA variable ⊕	$53.95	$48.59	$43.75

550VA Variable AC Transformer

- Input voltage: 110VAC @ 60Hz
- Output voltage: 0-140VAC
- Rated current: 5A
- Panel mount
- Input/output terminals: binding post with 0.188" diameter post
- Size: 4.3"Dia. x 4.0"H
- Weight: 6.8 lbs.
- One-year warranty



Part No.	Description	1	10	50
152936CB	550VA variable ⊕	$62.95	$53.51	$47.88

120VAC to 120VAC Isolation Transformer

300VA

- Input voltage:120VAC @ 60Hz
- Input connector: 5.5' cord with 2-prong plug
- Output voltage: 120VAC @ 2.5A (isolated)
- Size: 4.2"H x 3.2"W x 4.6"D • Weight: 7.0 lbs.

Quantity SAVE



Part No.	Mfr. Cross Ref. No.	1	10	100
181315CB	ITR300 ⊕	$44.95	$38.21	$28.66

110/220VAC Variable Transformers

- Input: 110VAC or 220VAC
- Power: 500, 1000 or 2000VA
- Output: 0-240VAC
- Banana/screw input terminals
- Universal US/ European output plugs
- Lighted on/off power switch



121275CB

Part No.	Fuse	Size (L" x W" x H")	Wt. (lbs.)
121275CB	3A/250V (P/N 69438CB)	5.3 x 7.3 x 7.0	10.4
129007CB	5A/250V (P/N 10401CB)	9.4 x 6.5 x 7.7	14.8
152581CB	10A/250V (P/N 69462CB)	9.0 x 7.0 x 7.7	19.8

Part No.	Description	1	10	50
121275CB	500VA trans. ⊕	$79.95	$69.95	$62.95
129007CB	1000VA trans. ⊕	164.95	140.21	105.16
152581CB	2000VA trans. ⊕	179.95	149.95	114.89

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange.



Details on page 305.

Power

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

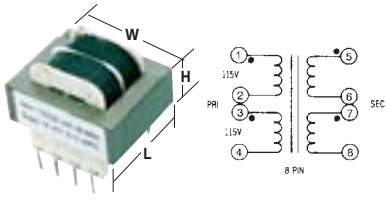
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Split-Bobbin Power Transformers

SALE

Non-concentrically wound with primaries and secondaries side-by-side providing low capacitive coupling.

- Primary: 115/230VAC, 50-60Hz
- PC terminal pin spacing for accurate placement



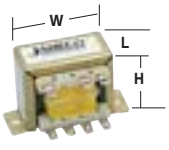
102517CB

Part No.	Cross Ref. No.	Triad Cross	Input Voltage	VA	Individual Output	Parallel Output	Series Output	Dimensions L"	W"	H"	Wt. (lbs.)	Pricing 1	10	100
221292CB	DSW-312 ⊕	FS12200	115/230	2.5	6.3V @ .20A	6.3V @ .40A	12.6VCT @ .20A	1.38	1.13	1.19	0.3	$5.25	$4.49	$3.35
102533CB	XFR1205SB ⊕	FS12500	115/230	6.3	6.3V @ .50A	6.3V @ 1.0A	12.6VCT @ .50A	1.31	1.62	1.30	0.4	7.95	7.16	6.44
102517CB	XFR1602SB ⊕	FS16150	115/230	2.4	8V @ .15A	8V @ .30A	16VCT @ .15A	1.17	1.38	1.20	0.3	6.89	5.86	4.39
221284CB	DSW-316✪	FS16150	115/230	2.4	8V @ .15A	8V @ .30A	16VCT @ .15A	1.38	1.13	1.19	0.3	$8.09 2.25	2.05	1.85
210921CB	14A-10-Z0B21	—	115/230	10.0	10V @ .05A	10V @ 1.0A	20VCT @ 0.5A	1.88	1.56	1.38	0.5	3.69	3.36	3.05
210956CB	DST2-24-845 ⊕	—	115/230	1.1	12V @ .045A	12V @ .09A	24VCT @ .045A	1.13	1.13	0.94	0.2	6.49	5.85	5.25
176090CB	SPT41240-120 ⊕	FS24250	115/230	6.0	12V @ .25A	12V @ .50A	24VCT @ .25A	1.33	1.63	1.59	0.5	6.95	6.25	5.59
102592CB	XFR2405SB ⊕	FS24500	115/230	12.0	12V @ .50A	12V @ 1.0A	24VCT @ .50A	1.58	1.90	1.46	0.7	8.79	7.95	5.49
249412CB	DST-5-16 ⊕	—	115/230	12.8	8V @ .80A	8V @ 1.6A	16VCT @ .80A	1.57	1.88	1.42	0.6	8.95	8.09	7.25
148559CB	XFR3603SB ⊕	FS36350	115/230	12.6	18V @ .35A	18V @ .70A	36VCT @ .35A	1.59	1.91	1.72	0.7	7.49	6.37	4.77
210964CB	LP40-300-B14 ⊕	—	115/230	12.0	20V @ .30A	20V @ 0.6A	40VCT @ 0.3A	2.50	2.00	1.07	0.7	$5.85 3.95	3.59	3.25
209015CB	ST-6-48	—	115	19.2	24V @ .40A	24V @ .80A	48VCT @ .40A	1.88	2.25	1.40	0.8	2.59	2.32	2.11

✪ Blue Part No. = Limited Quantity Available

Quick-Connect Power Transformers

- Quick-connect transformers are bobbin wound for smaller size and reduced electrostatic shielding requirements
- Input voltage: 115/230VAC, 50-60Hz • Terminals: quick connect, solder



104387CB

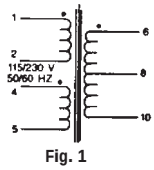


Fig. 1

Part No.	Cross Ref. No.	Triad Cross	Fig.	Input Voltage	Output Voltage	VA	Size of Connect	Dimensions L"	W"	H"	Wt. (lbs.)	Pricing 1	10	100
104387CB	XFR1225Q ⊕	FD612	1	115/230VAC	12.6VCT @ 2.5A	31.5	0.187"	1.75	2.33	2.00	1.3	$9.29	$7.90	$5.92
104408CB	XFR1635Q ⊕	FD716	1	115/230VAC	16VCT @ 3.5A	56.0	0.187"	2.00	2.70	2.30	1.8	12.95	11.69	10.49
101864CB	XFR2424Q ⊕	FD724	1	115/230VAC	24VCT @ 2.4A	57.6	0.187"	2.40	2.70	2.25	1.7	11.95	10.70	9.52
104416CB	XFR3615Q ⊕	FD736	1	115/230VAC	36VCT @ 1.5A	54.0	0.187"	1.90	2.70	2.30	1.8	9.95	8.99	8.09

115VAC and 115/230VAC Power Transformers

Power transformers have both single and dual-voltage input and center-tapped outputs. This makes them the perfect choice for power supply design or for use in transformer, rectifier and filter circuits.

- Primary: 115VAC or 115/230VAC, 50-60Hz



29225CB

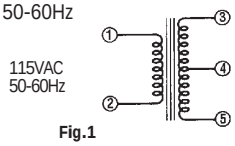


Fig.1

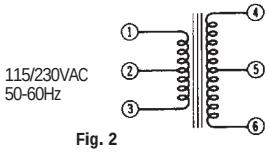


Fig. 2

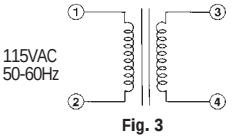
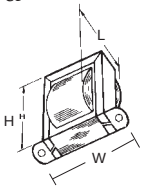


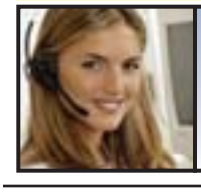
Fig. 3



Part No.	Cross Ref. No.	Triad Cross	Primary Color Code			VA	Secondary Voltage	Secondary Color Code			Lead Type	Fig.	Dimensions L"	W"	H"	Wt. (lbs.)	Pricing 1	10	100
102162CB	XFR6102 ⊕	F314X	Black	Yellow*	Red	7.6	6.3VCT @ 1.2A	White	Black*	White	Wire	2	1.56	1.96	1.67	0.8	$8.49	$7.22	$5.41
105523CB	XFR0910 ⊕	—	Black	White*	Red	9.0	9VCT @ 1A	Blue	Black*	Blue	Wire	2	1.79	1.96	1.66	0.7	6.95	6.25	5.63
221399CB	P-8657 ⊕	F218X	Black	—	Black	24.0	12VAC @ 2A	White	—	White	Wire	3	2.13	3.25	2.00	1.3	9.15	8.49	7.15
221356CB	P-8658 ⊕	F219X	Black	—	Black	48.0	12VAC @ 4A	White	—	White	Wire	3	2.25	4.00	2.63	2.3	12.95	11.95	9.95
29225CB	XFR122 ⊕	F44X	Yellow	—	Yellow	25.2	12.6VCT @ 2A	Blue	Red*	Black	Wire	1	2.12	2.33	1.96	1.5	10.69	9.49	8.39
102154CB	XFR1220 ⊕	F344X	Black	Yellow*	Red	25.2	12.6VCT @ 2A	White	Black*	White	Wire	2	2.35	2.32	1.97	1.5	10.95	9.31	6.98
149770CB	XFR1240 ⊕	F3181U	Black	Red*	Yellow	50.4	12.6VCT @ 4A	White	Black*	White	Wire	2	2.45	2.70	2.24	2.2	12.95	11.69	10.49
102120CB	XFR124 ⊕	F181U	Black	—	Black	50.4	12.6VCT @ 4A	White	Black*	White	Wire	1	2.53	3.08	2.61	2.7	12.95	11.69	10.49
105531CB	XFR1810 ⊕	—	Blue	Red*	Black	18.0	18VCT @ 1A	Yellow	Black*	Yellow	Wire	2	2.32	2.05	1.90	1.2	6.95	5.91	4.43
149956CB	XFR1820 ⊕	—	Black	Red*	Yellow	36.0	18VCT @ 2A	White	Black*	White	Wire	2	2.26	2.66	2.28	1.8	9.59	8.49	7.45
221381CB	P8396 ⊕	—	Black	—	Black	9.6	24VCT @ 0.4A	White	Black*	White	Wire	1	1.63	2.8	1.5	0.6	6.95	6.26	5.63
102111CB	XFR2410 ⊕	F346X	Black	Yellow*	Red	24.0	24VCT @ 1A	White	Black*	White	Wire	2	2.22	2.33	1.97	1.5	8.95	7.61	5.71
221372CB	P-8662 ⊕	F192X	Black	—	Black	48.0	24VCT @ 2A	White	Black*	White	Wire	1	2.38	4.00	2.62	2.3	11.95	10.95	9.19
112512CB	XFR242N ⊕	F229X	Black	—	Black	48.0	24VAC @ 2A	White	—	White	Wire	3	2.21	3.58	2.25	1.8	10.35	9.39	8.49
221364CB	P-8663† ⊕	F193U	—	—	—	96.0	24VCT @ 4A	—	—	—	Lug	1	2.81	3.13	3.81	4.0	22.55	21.19	17.79
221410CB	P-8666† ⊕	F226U	—	—	—	288.0	24VCT @ 12A	—	—	—	Lug	1	4.63	3.75	4.63	11.2	39.95	36.39	32.99
99653CB	XFR242 ⊕	—	Red	—	Red	49.2	24.6VCT @ 2A	Blue	Yellow*	Blue	Wire	1	2.44	2.70	2.30	2.5	11.95	10.35	7.99
102103CB	XFR2520 ⊕	F341X	Black	White*	Red	50.4	25.2VCT @ 2A	Orange	Black*	Orange	Wire	2	2.45	2.67	2.26	2.8	14.95	13.46	12.11
149796CB	XFR2820 ⊕	F3185U	Black	Red*	Yellow	56.0	28VCT @ 2A	White	Black*	White	Wire	2	2.45	2.70	2.24	2.3	12.95	11.69	8.59

* Center tap † Solder terminals

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.



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1-800-831-4242

TRIAD Power Transformers

- Primary: 115/230VAC, 50/60Hz

***World Series PC and Chassis Mount* (Fig. 1 & 2)**

- Dual bobbin design with insulating shroud
- Constructed of UL approved high temperature material
- Meets CSA, IEC, VDE and UL requirements
- High isolation between primary and secondary
- VA ranges: 2.5 to 56VA (PC mount); 25 to 175VA (chassis mount)


Fig. 1


Fig. 2

***Split Pack PC Mount* (Fig. 3)**

- Split bobbin, concentrically wound design with primaries and secondaries side-by-side
- Low capacitive coupling
- VA ranges: 1.1 to 36VA
- Hi-pot tested: 2500 V_{RMS}

NEW ON THE WEB


Fig. 3

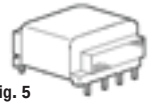
***Quick Pack Chassis Mount* (Fig. 4)**

- Offers a significant reduction in size and weight for a given VA rating
- VA range: 2.4 to 100VA


Fig. 4

***Flat Pack PC Mount* (Fig. 5)**

- Designed for low clearance PC board and solid state power designs
- Offered in dual primary and dual secondary configuration
- Hi-pot tested: 2000 V_{RMS}
- VA ranges: 2.5 to 12VA


Fig. 5

***Single Primary, Dual Secondary PC Mount* (Fig. 6)**

- Used in power, control and instrumentation applications
- Available in single or dual primary and dual center tapped secondary configurations
- VA ranges: 1.5 to 7.5VA
- Hi-pot tested: 1500 V_{RMS}


Fig. 6

***Dual Primary, Dual Secondary PC Mount* (Fig. 7)**

- Used in power, control and instrumentation applications
- Available in single or dual primary and dual center tapped secondary configurations
- VA ranges: 1.5 to 24VA
- Hi-pot tested: 1500 V_{RMS}


Fig. 7

Universal Chassis Mount

- Designed for use with silicon diode rectifiers to supply DC voltages for transistors
- Hi-pot tested: 1500 V_{RMS}
- Available in cases A, X & U


Case Type A

Step-Up/Step-Down Autotransformers

- Single winding tranformers— primary coil for voltage step-up; secondary coil for step-down
- VA ranges: 50 to 2000VA
- Hi-pot tested: 1500 V_{RMS}
- Available in cases A, X & U


Case Type M

Isolation/Medical

- Used for isolating equipment from direct connection to the power line
- Constructed with nonconcentrically wound coils
- Primary and secondary coils wound on separate arbors
- VA ranges: 15 to 1000VA
- Hi-pot tested: 1500 V_{RMS}
- Available in cases A, M, U & X


Case Type U

Single Secondary Chassis Mount

- Single primary with single and multiple secondaries
- VA ranges: 2.5 to 60VA
- Available in cases A, M, U & X


Case Type X

Control Chassis Mount

- Supply secondary voltages commonly utilized in electronic, electromagnetic & electrical control conditions
- VA ranges: 12 to 192VA
- Hi-pot tested: 1500 V_{RMS}
- Available in cases U & Z


Case Type Z

These products ship from a separate warehouse and may not ship the same day.
Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Power Transformer Offering at
www.Jameco.com/Prod/PowerTransformers

TRIAD Current Sens Transformers

- Used to detect the current passing through a conductor
- Operate effectively over frequency range of 20kHz-200kHz
- Constructed of UL rated materials
- Available with center tap option

NEW ON THE WEB



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Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Current Sense Transformer Offering at
www.Jameco.com/Prod/CurrentSenseTransformers

TRIAD Gate Drive Transformers

- Used in all high frequency switching topologies to isolate control circuitry from line-connected switches
- Turn ratios of 1:1 and 1:1.5
- Constructed of UL rated materials
- Easily standardized at operating frequencies of up to 200kHz

NEW ON THE WEB



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Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Gate Drive Transformer Offering at
www.Jameco.com/Prod/GateDriveTransformers

Class 1 Current Transformer

This series can be applied to test, control, display, and record the running of electrical equipment, and to protect the equipment against damage in the AC circuit.



- Maximum voltage: 660VAC
- Frequency: 50-60Hz
- Size: 3.0"L x 3.2"W x 1.6"T
- Weight: 1.1 lbs.

Includes: Mounting bracket and hardware

Part No.	Cross Ref. No.	Power	Ratio	1	10	100
174887CB	MSQ30 ⊕	5VA	200A/5A; 5VA	$4.49	$4.04	$3.64

Current Sensing Transformer



- Inductance: 5mH
- Sensitivity current (I_{in}): 1A
- Freq. range: 10-50 kHz
- Terminating resistor: 50Ω
- Turns: 60
- Max. current: 300mA
- Sensitivity voltage (V_{out}): 1V
- Size: 0.8"H x 0.7"W x 0.4"T

Part No.	Cross Ref. No.	1	10	100
164718CB	MTC30101 ⊕	$2.15	$1.95	$1.75

More Power, Less Consumption!



Having the most sophisticated switching power supply isn't always advantageous. Lighting systems and AC motors, for instance, are well-suited for smooth, clean sine waves.

With the proliferation of some very sophisticated power management IC's, we're also forgetting about some of the basics. For instance, you could use a sophisticated variable output supply to vary voltage output, or you could simply parallel a suitable diode/rectifier with an AC switch. The rectifier passes only half the wave, and the AC switch passes the full wave.

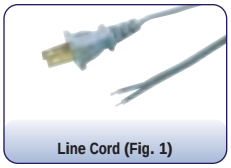
Practical Practices
Money Saving Tips for the Engineer

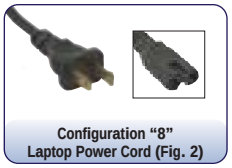
Power

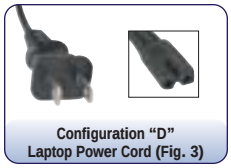
RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

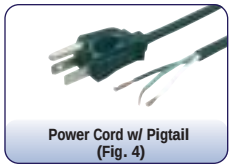
RoHS Compliant Product
RoHS Also Available

Color Code Legend
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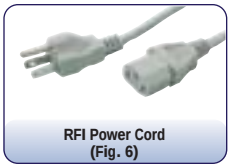

Line Cord (Fig. 1)

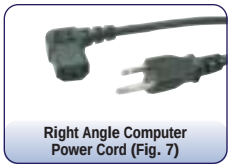

Configuration "8" Laptop Power Cord (Fig. 2)


Configuration "D" Laptop Power Cord (Fig. 3)


Power Cord w/ Pigtail (Fig. 4)


Piggy-Backed Computer Power Cord (Fig. 5)

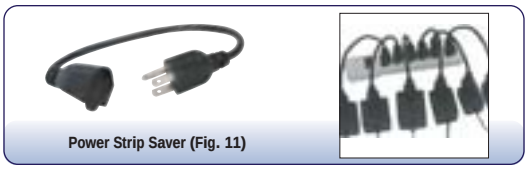

RFI Power Cord (Fig. 6)

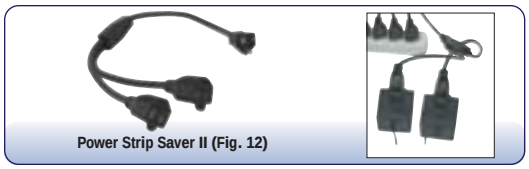

Right Angle Computer Power Cord (Fig. 7)

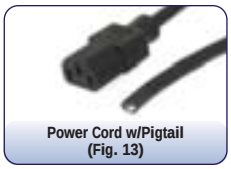

Power Supply Extension Cord (Fig. 8)

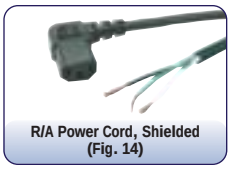

Hospital Grade Cord (Fig. 9)


Monitor Power Adapter Cord (Fig. 10)


Power Strip Saver (Fig. 11)


Power Strip Saver II (Fig. 12)


Power Cord w/Pigtail (Fig. 13)


R/A Power Cord, Shielded (Fig. 14)


Detachable Power Cord Shielded PVC (Fig. 15)


R/A Detachable Power Cord Shielded (Fig. 16)


Retractable Power Cord Rubber Insulated (Fig. 17)


"Y" Twin End Power Cord (Fig. 18)

General Purpose Power Cords

Quantity SAVE

AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

- Molded connectors
- Voltage rating: 300 volts
- Excellent resistance to jacket abrasion
- Temperature: -20°C to +60°C

Part No.	Cross Ref. No.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing 1	10	50	100
2-conductor power cord with pigtails											
152186CB	17106BG ⊕	.20	1	6'	Beige	18/2	SPT-2	$1.29	$1.16	$.93	$.73
124433CB	ST008 ⊕	.16	1	6'	Black	18/2	SPT-2	1.15	1.03	.83	.77
2-conductor power cord with pigtail with strain relief											
42041CB	17106 ⊕	.25	1	6'	Black	18/2	SPT-2	$1.15	$1.03	$.93	$.78
2-conductor "8" style power cord for laptops and power supplies											
189587CB	VW-1 ⊕	.30	2	6'	Black	18/2	SPT-2	$2.95	$2.65	$2.39	$2.15
355944CB	VW-1 ⊕	.30	2	6'	Gray	18/2	SPT-2	2.05	1.84	1.48	1.11
2-conductor "D" style power cord for laptops and power supplies											
200791CB	LL114039 ⊕	.30	3	6'	Black	18/2	SPT-2	$2.49	$2.24	$1.79	$1.34
3-conductor power cord with pigtails											
38009CB	17237 ⊕	.31	4	6'	Gray	18/3	SVT	$2.39	$2.15	$1.72	$1.29
37997CB	17236 ⊕	.30	4	6'	Black	18/3	SVT	2.79	2.32	2.11	1.99
279662CB	32V86S ⊕	.32	4	6'	Black	18/3	SVT	2.79	2.55	2.05	1.55
159409CB	17405B ⊕	.37	4	6'	Black	18/3	SJT	2.59	2.15	1.95	1.79
102007CB	17535B† ⊕	.49	4	10'	Black	18/3	SVT	3.99	3.59	2.87	2.15
196285CB	LL40378 ⊕	.80	4	10'	Black	16/3	SJT	2.79	2.32	2.11	1.99
100271CB	17629B ⊕	.88	4	9'	Black	14/3	SJT	3.39	3.00	2.74	2.53
3-conductor piggy-backed computer power cord											
84937CB	17669-6	.47	5	6'	Black	18/3	SJT	$6.95	$6.25	$5.65	$4.75
3-conductor power supply cord (shielded)											
213874CB	17660BG ⊕	.40	6	6'	Beige	18/3	SVT	$3.59	$3.25	$2.95	$2.65
229219CB	9350819 ✪	.45	6	8'	Black	18/3	SJT	4.49	4.04	3.23	2.42
190625CB	37805 ⊕	.75	6	10'	Beige	18/3	SJT	3.49	3.14	2.51	1.88
142607CB	17502	.63	6	6'	Black	16/3	SJT	3.99	3.59	2.87	2.15
3-conductor power supply cord											
103747CB	17248 ⊕	.34	6	6'	Gray	18/3	SVT	$3.89	$3.50	$2.80	$2.49
38041CB	17249 ⊕	.37	6	6'	Beige	18/3	SVT	3.49	3.15	2.79	2.49
38050CB	17250 ⊕	.36	6	6'	Black	18/3	SVT	3.75	3.29	2.89	2.17
132118CB	17500 ⊕	.44	6	6'	Black	18/3	SJT	4.49	4.04	3.65	3.29
117583CB	17502 ⊕	.37	6	8'	Gray	18/3	SVT	3.49	3.14	2.51	1.88
171096CB	17758 ⊕	.60	6	8'	Black	18/3	SJT	3.95	3.56	3.19	2.89
102023CB	17501V ⊕	.55	6	10'	Black	18/3	SVT	3.95	3.39	3.09	2.79
192727CB	17501J ⊕	.64	6	10'	Black	18/3	SJT	3.95	3.56	2.84	2.13
163361CB	6952299 ⊕	.33	6	14'	Black	18/3	SJT	5.39	4.85	3.88	2.91
249383CB	LL34977 ⊕	.72	6	9'	Black	16/3	SJT	3.95	3.55	2.85	2.15
3-conductor right-angle power supply cord											
117356CB	8120-6177 ⊕	.41	7	6'	Gray	18/3	SVT	$3.95	$3.56	$3.19	$2.88
38076CB	17250R ⊕	.54	7	6'	Black	18/3	SVT	3.49	3.15	2.85	2.55
3-conductor computer power supply extension cord											
527814CB	PWRCRG ⊕	.25	8	3'	Black	18/3	SJT	$2.35	$1.85	$1.65	$1.45
28468CB	PEC ⊕	.36	8	6'	Black	18/3	SVT	3.89	3.50	3.15	2.85
420224CB	10W1-02212 ⊕	.53	8	12'	Black	18/3	SVT	3.89	3.02	2.87	2.73
319804CB	LR94903 ⊕	.33	8	6'	Gray	18/3	SVT	4.15	3.74	2.99	2.24
3-conductor power cord w/ hospital grade male (green dot)											
132011CB	17006G ⊕	.82	9	10'	Gray	16/3	SJT	$8.45	$7.61	$6.84	$6.16
265412CB	EXIT0W	.70	9	10'	Gray	18/3	SJT ~~$7.99~~	7.35	6.65	5.95	5.39
115078CB	17006 ⊕	.84	9	10'	Black	16/3	SJT	8.95	8.09	7.25	6.55
3-conductor computer monitor power adapter cord											
177447CB	MPC1 ⊕	.16	10	1'	Black	18/3	SVT	$2.95	$2.66	$2.12	$1.59
3-conductor power cord (power strip saver)											
199777CB	PSS-1 ⊕	.16	11	1'	Black	18/3	SVT	$1.69	$1.55	$1.39	$1.25
208338CB	SY0527BG ⊕	.16	11	1'	Beige	18/3	SVT	1.69	1.45	1.09	1.03
3-conductor power cord ("Y" type power strip saver)											
208346CB	GPR-2006 ⊕	.38	12	2'	Black	18/3	SVT	$3.25	$3.09	$2.89	$2.75

*Thermoplastic Cord Jacket Type: **SPT-2 (Flat):** Junior duty; **SVT (Round):** Light service; **SJT (Round):** Junior service †European standard insulation color code ✪ Blue Part No. = Limited Quantity Available

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

We're committed to providing you with the best service in the industry.

JAMECO ValuePro

A Jameco EXCLUSIVE

Jameco ValuePro™ Power Cords

AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

3-conductor power cord w/ pigtails, NEMA 5-15P plug, PVC, black

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
38025CB	17238 ⊕	4	—	8'	18/3	SVT	$3.29	$2.75	$2.45	$2.25
339688CB	40407 ⊕	4	290B	8'	18/3(16x30)	SJT	2.79	2.08	1.97	1.90
339717CB	17276-B	4	290B	20'	16/3(26x30)	SJT	8.59	7.73	6.18	4.63

3-conductor power cord w/ pigtails, NEMA 5-15P plug, rubber, black

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
339830CB	17412✪	4	290B	9'	18/3(16x30)	SJT	$6.05	$4.48	$4.26	$4.11
339696CB	17409	4	290B	8'	18/3(16x30)	SJO	5.75	5.59	4.49	3.99
339709CB	17425	4	290B	15'	16/3(26x30)	SJT	11.05	10.07	8.15	7.30

3-conductor power cord w/ pigtails, NEMA 5-15P plug, shielded, black

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
339768CB	17740 ⊕	4	290B	6'7"	18/3(41x34)	SVT	$3.15	$2.99	$2.85	$2.70
339899CB	17741	4	290B	9'10"	18/3(41x34)	SVT	8.59	7.73	6.18	4.63
166924CB	17516 ⊕	4	—	6'7"	14/3	SJT	3.95	3.56	3.20	2.88
339901CB	17517	4	173	9'10"	14/3(41x30)	SJT	5.99	5.39	4.59	3.69

3-conductor power cord w/ pigtails, NEMA 5-15P plug, unshielded, black

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
339653CB	17747†	4	290B	6'7"	18/3(41x34)	SVT	$2.65	$2.35	$2.14	$1.93
339661CB	17514	4	290B	6'7"	16/3(65x34)	SJT	3.65	3.27	2.79	2.09
339733CB	17534 ⊕	4	290B	6'7"	18/3(41x34)	SVT	2.35	1.74	1.65	1.60
339741CB	17512	4	290B	6'7"	18/3(41x34)	SJT	2.59	2.36	2.16	1.94
339872CB	17513	4	290B	9'10"	18/3(41x34)	SJT	3.59	3.22	2.93	2.64
339881CB	17515 ⊕	4	290B	9'10"	16/3(65x34)	SJT	3.79	3.70	3.60	3.54

3-conductor power cord w/ pigtails, NEMA, PVC, unshielded, gray

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
173809CB	17405 ⊕	4	—	6'	18/3	SJT	$2.35	$2.15	$1.89	$1.59

3-conductor power cord w/ pigtails, shielded, black

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
339995CB	17751 ⊕	14	910	6'7"	18/3(41x34)	SVT	$4.05	$3.81	$3.62	$3.44

3-conductor power cord w/ pigtails, unshielded, black

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
339987CB	17518 ⊕	13	386A	6'7"	18/3(41x34)	SJT	$3.65	$3.08	$2.81	$2.53
340005CB	17520	13	386E	6'7"	18/3(26x30)	SJT	2.95	2.79	2.65	2.51
340021CB	17254	13	386	7'6"	18/3(41x34)	SVT	2.55	2.42	2.30	2.19
340056CB	17537 ⊕	14	910	9'10"	18/3(41x34)	SJT	4.15	3.74	2.99	2.24
340064CB	17519	13	386E	9'10"	18/3(41x34)	SJT	3.29	3.14	2.98	2.83
340072CB	17521 ⊕	13	386E	9'10"	16/3(26x30)	SJT	4.25	4.10	3.99	3.75
340099CB	17539 ⊕	14	910	9'10"	16/3(26x30)	SJT	4.49	4.27	4.05	4.04

3-conductor power cord, "Y" twin end, black

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
340558CB	17272A ⊕	12	AEC-30/250A	6'	18/3(41x34)	SJT	$7.59	$5.67	$5.38	$5.13
340566CB	17268A ⊕	18	150/250A	6'	18/3(41x34)	SJT	7.85	5.84	5.55	5.29
340574CB	17270A ⊕	18	150/250A	6'	16/3(26x30)	SJT	8.85	6.62	6.29	6.00
340531CB	17269A	18	150/250A	10'	18/3(41x34)	SJT	9.55	7.16	6.80	6.48
340540CB	17271A	18	150/250A	10'	16/3(26x30)	SJT	10.65	7.97	7.57	7.22

3-conductor power cord w/ pigtails, shielded, black

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
339961CB	17250RS ⊕	13	—	6'	18/3	SVT	$2.85	$2.79	$2.73	$2.67
340013CB	17620 ⊕	13	386E	6'7"	16/3(65x34)	SJT	4.79	4.56	4.33	4.11
340030CB	17750	13	386A	9'10"	18/3(41x34)	SVT	3.99	3.85	3.63	3.45
340081CB	17621	13	386E	9'10"	16/3(65x34)	SJT	5.39	5.17	4.91	4.67

3-conductor right angle detachable power cord, shielded, PVC, black

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
173251CB	17745 ⊕	7	—	6'	18/3	SVT	$3.29	$2.96	$2.37	$1.78
340152CB	17606	7	290B/910	6'7"	18/3(41x34)	SJT	7.65	7.03	6.34	5.70
340179CB	17608 ⊕	7	185/910	6'7"	16/3(65x34)	SJT	5.45	5.16	4.90	4.65
340224CB	17746	7	290B/910	9'10"	18/3(41x34)	SVT	5.15	3.88	3.69	3.49
340232CB	17607	7	290B/910	9'10"	18/3(41x34)	SJT	9.29	8.47	7.62	6.86
340259CB	17609	7	185/910	9'10"	16/3(65x34)	SJT	10.59	9.60	8.71	7.84

3-conductor right angle detachable power cord, unshielded, PVC, black

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
340321CB	17506	7	290B/910	6'7"	18/3(41x34)	SJT	$4.09	$3.72	$3.35	$3.02
340355CB	17508 ⊕	7	290B/910	6'7"	16/3(26x30)	SJT	2.59	2.47	2.35	2.33
177383CB	17507 ⊕	7	—	10'	18/3	SJT	4.15	3.75	3.29	2.79

3-conductor detachable power cord, shielded, PVC, black

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
340101CB	17725† ⊕	15	290B/386A	6'7"	18/3(41x34)	SVT	$4.15	$3.79	$3.45	$3.17
161761CB	17742 ⊕	15	290B/386A	6'	18/3	SVT	3.95	3.56	2.85	2.14
340144CB	17600	15	290B/386A	6'7"	18/3(41x34)	SJT	7.85	6.89	6.20	5.58
340161CB	17602 ⊕	15	185/386E	6'7"	16/3(65x34)	SJT	5.15	5.04	4.93	3.93
340187CB	17604	15	173/386E	6'7"	14/3(41x30)	SJT	9.29	8.67	7.78	7.26
159361CB	17602 ⊕	15	—	6'	14/3	SJT	3.79	3.41	2.73	2.05
340195CB	17743 ⊕	15	290B/386A	9'10"	18/3(41x34)	SVT	5.29	4.90	4.45	4.09
340208CB	17601	15	290B/386A	9'10"	18/3(41x34)	SJT	5.29	5.10	4.60	4.13
340241CB	17603	15	185/386E	9'10"	16/3(65x34)	SJT	5.75	5.46	5.18	4.93
340267CB	17605	15	173/386E	9'10"	14/3(41x30)	SJT	11.45	10.54	9.57	8.79

3-conductor detachable power cord, foil shielded, PVC, black

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
340216CB	17661 ⊕	15	290B/386A	9'10"	18/3(41x34)	SVT	$13.49	$10.08	$9.58	$9.14

3-conductor detachable power cord, unshielded, PVC, black

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
340291CB	17001A ⊕	15	290B/386E	3.0'	16/3(26x30)	SJT	$3.69	$2.72	$2.59	$2.50
340312CB	17758 ⊕	15	290B/386	6'7"	18/3(41x34)	SJT	4.95	4.56	4.09	3.69
340347CB	17502 ⊕	15	290B/386E	6'7"	16/3(26x30)	SJT	4.25	3.78	3.42	3.16
340363CB	17504✪ ⊕	15	173/386E	6'7"	14/3(41x30)	SJT	4.95	4.49	4.20	4.05
125541CB	17504	15	—	6'7"	14/3	SJT	4.95	4.46	4.01	3.12
340401CB	17255 ⊕	15	290B/386E	7'6"	16/3(26x30)	SJT	4.49	3.99	3.49	3.29

3-conductor jumper power cord, shielded, black

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
340515CB	17625 ⊕	8	388B/386E	3'3"	16/3(26x30)	SJT	$6.59	$6.09	$5.48	$4.93

3-conductor jumper power cord, unshielded, black

Part No.	Volex X-Ref.	Fig. (p.222)	Plug Detail (see below)	Length	AWG (Stranding)	Cord Type*	Pricing 1	10	50	100
340486CB	17524 ⊕	8	388B/386E	3'3"	18/3(41x34)	SJT	$3.65	$3.31	$2.98	$2.68

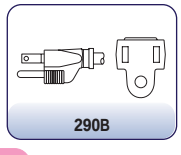
***Thermoplastic Cord Jacket Type:** **SPT-2 (Flat):** Junior duty; **SVT (Round):** Light service; **SJT (Round):** Junior service; **SJO (Round):** Junior service with oil-resistant jacket † **Temp. rating: 105˚C** ✪ Blue P/N = Limited Quantity Available

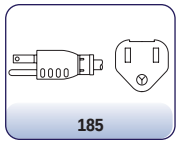
Plug Detail – Industry Standard Designations

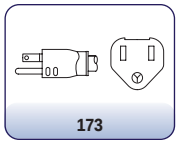

388A/388B

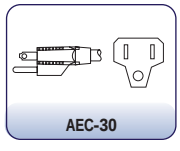

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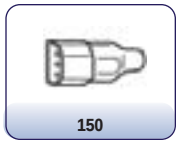

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290B

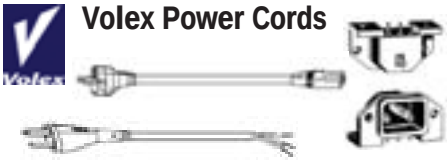

185


173


AEC-30


150

Volex Power Cords



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

NEW

Part No.	Type	Length	Feature	AWG Stranding	O.D.	Rating	Color	Pricing 1	10	100
481908CB	3-conductor midicord	8'	Plug/connector	18 (41 x 34)	0.315"	10A, 125V	Gray	$7.29	$6.54	$6.21
481916CB	Extension	10'	Plug/connector	16 (26 x 30)	0.340"	13A, 125V	Black	8.85	8.46	8.07
481924CB	Extension	8'	Plug/connector	16 (26 x 30)	0.340"	13A, 125V	Black	7.65	7.15	6.66
481932CB	2-conductor	2'	Connector	18 (41 x 34)	11 x 0.22	1A, 250V	Black	1.45	1.36	1.27
481941CB	International	2 meter	Plug/connector	H05VVF3G 1mm2	—	10A	Black	4.75	4.53	4.31
481959CB	3-conductor	7'6"	Plug/connector	16 (26 x 30)	0.340"	13A, 125V	Black	4.45	4.16	3.87

See Our Complete Volex Power Cords Offering at www.Jameco.com/Prod/Volex

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

International Power Cords

- 3-conductor detachable power cords
- Excellent resistance to jacket abrasion
- Voltage rating: 300 volts
- BSI: British Standard Institution

Cord Configuration Chart – End 1



Cord Configuration Chart – End 2



117911CB (Fig. 1)



174633CB (Fig. 2)

European Agency Approvals

Germany	VDE	
Austria	OVE	
Belgium	CEBEC	
Denmark	DEMKO	
Finland	FIMKO	
France	LCIE	
Netherlands	KEMA	
Norway	NEMKO	
Sweden	SEMKO	
Switzerland	SEV	

Fig. 3

Part No.	Cross Ref. No.*	Country	Agency Approvals	Cord Plug Fig. End 1	Cord Plug Fig. End 2	Length	Cord Color	Conductors	Cord Type	Pricing 1	Pricing 10	Pricing 100	Pricing 250
117911CB	PCVDE-6B ⊕	Europe	All in Fig. 3	A	1	6 ft.	Black	3/0.75mm²	H05VVF	$5.49	$4.95	$4.45	$3.75
174633CB	21071H5182 ⊕	UK/Ireland	BSI	A	2	8 ft.	Black	3/1.0mm²	H05VVF	6.49	5.84	5.26	4.73

* Manufacturer may vary

Power Entry Filters and AC Receptacles

JAMECO ValuePro

A Jameco EXCLUSIVE

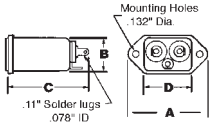


Fig. 1 (Solder Terminals)

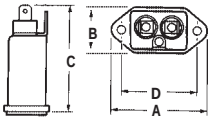


Fig. 2 (Fast-on Terminals)



Fig. 3 (210913CB)

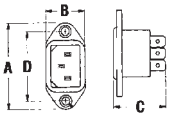


Fig. 4 (Male)

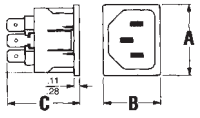


Fig. 5 (Female)

- Frequency: 50/60Hz

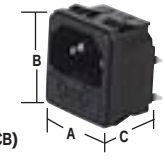


Fig.6 (117444CB)

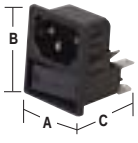


Fig. 7 (184903CB)

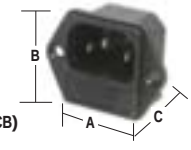


Fig. 8 (265527CB)



Fig. 9 (395647CB)

Part No.	Cross Ref. No.	Corcom Cross	Description	Fig.	Current (A)	Voltage (VAC)	Terminals	Agency Approvals	Terminal Size	Dimension (inches) A	B	C	D	Pricing 1	10	100	500
150615CB	03AC1 ⊕	3EF1	Power entry filter, straight (flanged)	1	3	250	Solder	UL/CSA/VDE	0.16"	1.89	0.88	2.58	1.58	$5.95	$5.36	$4.28	$3.21
42454CB	06AC1 ⊕	6EF1	Power entry filter, straight (flanged)	1	6	250	Solder	UL/CSA/VDE	0.16"	1.96	0.88	2.06	1.58	8.95	8.06	6.44	4.83
40601CB	03AE1* ⊕	3EF1F	Power entry filter, straight (flanged)	2	3	250	Fast-on	UL/CSA/VDE	0.25"	1.97	0.90	2.16	1.58	6.69	6.02	5.35	3.99
63132CB	06AE1 ⊕	6EF1F	Power entry filter, straight (flanged)	2	6	250	Fast-on	UL/CSA/VDE	0.16"	1.96	0.88	2.06	1.58	6.95	6.29	5.65	5.09
16651CB	JR101 ⊕		AC power inlet (male) flanged	4	15	250	Fast-on	UL/CSA/VDE	0.187"	1.96	0.89	1.07	1.58	.79	.71	.64	.58
218288CB	0708-1-CQ		AC power outlet (female) flanged	5	10	250	Fast-on	UL/CSA/VDE	0.189"	1.97	1.14	1.27	1.58	.51	.46	.41	.37
117444CB	0717 † ⊕		AC power inlet (male) fused (snap-in)	6	10	250	Fast-on	UL/CSA/VDE	0.187"	1.18	1.30	1.21	N/A	1.95	1.79	1.59	1.45
321621CB	WS-044A ⊕		AC power inlet (male) fused (snap-in)	8	10	250	Fast-on	UL/CSA/VDE	0.185"	1.73	1.29	0.77	1.42	1.79	1.59	1.39	1.29
Other Manufacturers — Great Deals																	
165016CB	SUP-J15G-E-2 ⊕		Power entry filter, straight (flanged)	1	15	250	Solder	UL/CSA/VDE	0.16"	1.89	0.88	2.18	1.58	$5.95	$5.35	$4.85	$4.05
395647CB	2VK1 ⊕		Power entry filter	9	2	250	Fast-on	UL/CSA/VDE	0.25"	2.81	0.91	3.10	N/A	6.95	6.05	5.49	5.22
210913CB	01GEEW3E ⊕		Power entry filter, straight (flanged)	3	1	250	Wire	UL/CSA/VDE	4.1"	2.05	0.99	1.78	1.58	5.95	5.49	4.95	4.49
147109CB	42R02 ⊕		AC power inlet (male) snap-in	4	15	250	Fast-on	UL/CSA/VDE	0.25"	1.22	0.94	1.13	N/A	.65	.56	.50	.45
147900CB	P0707* ⊕		AC power inlet (male) flanged	4	15	250	Solder	UL/CSA/VDE	0.16"	1.96	0.89	1.04	1.58	.69	.62	.50	.37
184903CB	42R363152IOU ⊕		AC power inlet (male) w/ switch (snap-in)	7	15	250	Fast-on	UL/CSA/VDE	0.25"	1.30	1.58	1.42	N/A	1.95	1.76	1.40	1.05
265527CB	WS-044 ⊕		AC power inlet (male) fused	8	10	250	Fast-on	UL/CSA/VDE	0.185"	1.73	1.29	0.77	1.42	1.79	1.59	1.39	1.29

* Manufacturer may vary † Includes spare fuse holder – Fuse type 5mm x 20mm (250V)

corcom Power Filters

- Frequency: 50/60Hz

NEW

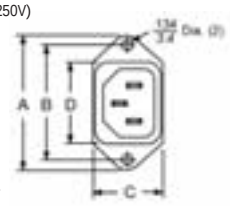
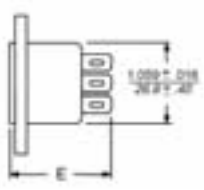


Fig.1



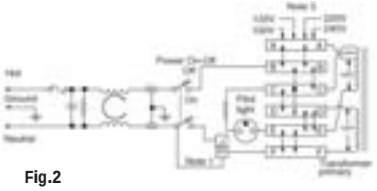


Fig.2

✳ Minimum order 2 pieces

Part No.	Cross Ref. No.	Description	Fig.	Current (A)	Voltage (VAC)	Terminals	Agency Approvals	Terminal Size	Dimension (inches) A	B	C	D	Pricing 1	2	10	100
637634CB	6ESRM-3 ♠	Power entry filter (flanged)	1	15	250	Fast-on	UL/CSA/VDE	.25"	1.98	1.58	0.90	1.19	✳	$1.45	$1.36	$1.27

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Part No.	Cross Ref. No.	Description	Fig.	Current (A)	Voltage (VAC)	Terminals	Agency Approvals	Terminal Size	Dimension (inches) A	B	C	D	Pricing 1	10	25	50
611397CB	6J4 ♠	Power Filter(snap-in)	2	6	250	Conn. Block	UL/CSA	.045"	2.75	1.87	1.17	1.58	$17.05	$16.20	$15.39	$14.62

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Save 10% or more on most batteries!

TYSONIC Lead Acid Batteries

- Sealed
- UL approved
- Rechargeable
- Two-year warranty


264031CB


264014CB


264049CB


264057CB


264065CB


264073CB

Part Number	Product Number	Nominal Voltage	Amp-Hrs.	Cross Reference: Panasonic	Cross Reference: YUASA	Cross Reference: Eagle Picher	Cross Reference: Tempest	Terminal Size	Size (L" x W" x H")	Wt. (lbs.)	Pricing: 1	Pricing: 10
264014CB	TY-6-4.5	6	4.5	LCR6VP	NP4-6	CF16V4	TR-4-6	Quick connect 0.187"	2.8 x 1.9 x 4.0	1.9	**$8.99**	**$7.89**
317024CB	LA-TY-6-12	6	12.0	—	—	—	—	Quick connect 0.187"	5.9 x 1.9 x 3.7	4.6	**14.69**	**12.75**
318941CB	LA-TY-12-.8	12	0.8	—	—	—	—	9" wire w/o connector	3.8 x 1.0 x 2.4	0.8	**16.39**	**15.19**
318844CB	LA-TY-12-1.2	12	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.7 x 2.1	1.3	**13.99**	**12.69**
264031CB	TY-12-2.3	12	2.3	LCR12V2.2P	NP2.3-12	CF12V1.5	TR2.3-12	Quick connect 0.187"	7.0 x 1.3 x 2.4	2.1	**15.39**	**14.59**
318924CB	LA-TY-12-3.2	12	3.2	—	—	—	—	Quick connect 0.187"	5.3 x 2.7 x 2.4	3.1	**16.19**	**14.69**
264049CB	TY-12-4.5	12	4.5	LCR12V4PF	NP412	CF12V4	TR4-12	Quick connect 0.187"	3.5 x 2.8 x 4.0	3.8	**15.79**	**14.55**
264057CB	TY-12-7	12	7.0	LCR12V7.2BP	NP712	CFM12V65	TR7.5-12	Quick connect 0.187"	5.9 x 2.6 x 3.7	5.6	**16.95**	**15.15**
264065CB	TY-12-12	12	12.0	PS12120	—	CFM12V12	TR12-12	Quick connect 0.187"	5.9 x 3.9 x 3.9	9.0	**30.65**	**28.25**
264073CB	TY-12-18	12	18.0	LCR12V17BP	NPG18-12	CF12V18	TR18-12	Quick connect 0.472"	7.1 x 3.0 x 6.6	13.3	**32.85**	**28.15**
318852CB	LA-TY-12-35	12	35.0	—	—	—	—	Quick connect 0.644"	7.6 x 5.1 x 6.3	27.6	**47.79**	**41.69**

TEMPEST Lead Acid Batteries

- Color-coded terminals
- Sealed
- Rechargeable
- Nominal voltage: 12
- UL approved
- Two-year warranty

Tempest is an ISO-9001 Certified Company


218421CB


218464CB

Part Number	Product Number	Amp-Hrs.	Charging Voltage: Standby	Charging Voltage: Cyclic	Terminal Size	Size (L" x W" x H")	Wt. (lbs.)	Pricing: 1	Pricing: 10
218421CB	TR22-12	22	13.6-13.8	14.5-14.9	Terminal pad 0.472"Dia.	7.2 x 3.0 x 6.6	15.0	**$39.95**	**$35.95**
218464CB	TR70-12B	70	13.6-13.8	14.5-14.9	Quick connect 0.590"	10.3 x 6.7 x 8.2	55.1	**129.95**	**116.96**

Eveready® Energizer® Alkaline Batteries


198731CB


215845CB


198707CB


198715CB



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- Single-use Energizer® alkaline batteries for heavy drain and frequent use applications

Part No.	Size	1	10
198731CB	9-volt	**$1.89**	**$1.81**
215845CB	D	**1.12**	**1.08**

- **Prepackaged: order in increments of 4**

Part No.	Size	4	40	100
198707CB	AA	**$.64**	**$.62**	**$.61**
198715CB	AAA	**.49**	**.44**	**.43**

Zinc Chloride, Silver Oxide & Alkaline Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5

SALE

Zinc Chloride

Part No.	Cross Ref. No.	Figure	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
151087CB	AA	1	AA	1.5	700	Barrel pressure	1.9"L x 0.55"Dia. ~~$0.20~~ $*	**$.16**	**$.14**	
151095CB	GF6F22	3	9V	9	300	—	1.7"L x 1.0"W x 0.67"Dia.	**1.25**	**.99**	**.79**

Silver Oxide

Part Number	Cross Ref. No.	Figure	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
140783CB	357	2	Button	1.55	1600	—	0.454"Dia.	**$1.75**	**$1.49**	**$1.25**

Alkaline

Part Number	Cross Ref. No.	Figure	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
249181CB	LR031.5V	4	AAA	1.5	—	3-pack	1.7"L x 0.40"Dia.	**$1.49**	**$1.34**	**$1.21**
150965CB	Rayovac 840	5	—	4.5	600	Batt. pack w/con. (Apple®)	1.14"L x 0.73"W x 0.96"H	**9.95**	**8.99**	**8.06**
198791CB	MN1604	3	9V	9	500	—	1.7"L x 1.0"W x 0.67"H	**2.85**	**2.55**	**2.29**

Compare our Awesome Prices in Batteries!

Jameco Part No.	Description	Jameco® Price	Digi-Key® Price	Mouser® Price	Newark® Price	Minimum Savings	Minimum Discount
318924CB	Lead Acid, 12V, 3.2Ah	**$16.19**	$26.57	$20.00	Not offered	$3.81	19.1%
240223CB	Lithium, CR2335, 3V, 300mAh	**$0.99**	$1.43	$1.57	$1.70	$0.44	30.8%
240231CB	Lithium, CR2450, 3V, 500mAh	**$1.09**	$1.30	$2.20	$2.06	$0.21	16.2%
244486CB	NiCd, AA, Flat Top, 1.2V, 600mAh	**$1.15**	Not offered	$9.27	$1.60	$0.45	28.1%
244558CB	NiCd, D, 1.2V, 5,000mAh	**$6.15**	$12.33	Not offered	$12.15	$6.00	49.4%
244961CB	NiMH, C, Flat Top, 1.5V, 2,500mAh	**$4.75**	$7.77	$5.38	Not offered	$0.63	11.7%
244953CB	NiMH, Sub C, 1.5V, 1,500mAh	**$2.15**	Not offered	$2.50	$3.06	$0.35	14.0%

These are single unit prices taken from each party's website on November 28, 2005, and do not include shipping & handling charges, volume discounts or any other discounts. Pricing does fluctuate, so please be sure to check when making purchases.

Not All Are Created Alike!



When designers choose batteries, most think of two criteria. First, get the right size and chemistry (e.g. – AA NiMH), and second, find the lowest price. Few however, really consider how power-hungry the application is.

But just like a circuit's signal-to-noise ratio, a battery's capacity-to-demand ratio is also very important. Consider a circuit that "demands" 1,400 mA. If powered by batteries with a 1,600 mA capacity, the ratio is about 1.14. Using a battery with 1,800 mA capacity doubles the headroom (fractional part) from 1.14 to 1.28. Stated another way, the battery can discharge significantly more before the voltage drops below threshold.

Practical Practices
Money Saving Tips for the Engineer

Save 10% or more on most batteries!

JAMECO ReliaPro ✓ Reliable & Consistent ✓ Professional Grade ✓ Awesome Prices ✓ Backed by Jameco

Color Code Legend: New Sale Lower$ QtySave

A Jameco EXCLUSIVE

JAMECO ReliaPro

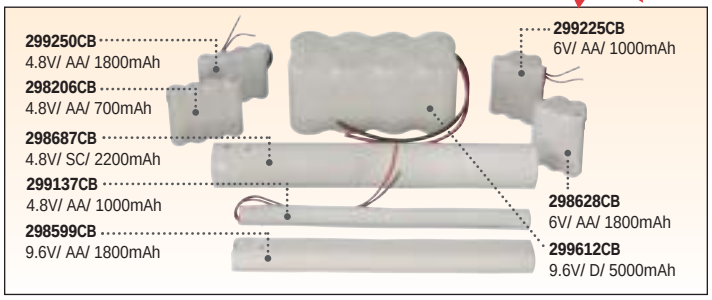
Rechargeable Battery Packs

SALE

Special Sale All Battery Packs 10% Off. Limited Time

Jameco ReliaPro™ rechargeable battery packs are available in many configurations and capacities. Each series-connected pack is available with 6" lead wires or 0.125"W x 0.4"L solder tab hook-ups. Available in economical NiCad and powerful NiMH compositions.

- AA single cell: 1.92"L x 0.56"Dia. (48.8mm x 14.2mm)
- SC single cell: 1.65"L x 0.86"Dia. (41.9mm x 21.8mm)
- D single cell: 2.36"L x 1.26"Dia. (59.9mm x 32.0mm)



2.4 Volts

Cell Size	Type	mAh	Solder Tabs Jameco Part No.	Solder Tabs Pricing 1	10	25	Lead Wires Jameco Part No.	Lead Wires Pricing 1	10	25
AA	NiCad	700	298097CB	$3.95	$3.79	$3.69	298935CB	$4.79	$4.69	$4.55
AA	NiCad	1000	298337CB	4.79	4.35	3.89	299081CB	5.89	5.65	5.39
AA	NiMH	1800	298484CB	8.45	7.65	6.85	299233CB	10.15	9.69	9.19
SC	NiCad	2200	298636CB	9.29	8.79	8.35	299381CB	10.15	9.69	9.25
D	NiCad	5000	298783CB	22.25	19.99	17.79	299532CB	22.25	19.99	17.79
AA	NiCad	700	298214CB	$3.95	$3.55	$3.15	298960CB	$4.79	$4.69	$4.55
AA	NiCad	1000	298361CB	4.85	4.15	3.09	299111CB	5.89	5.69	5.45
AA	NiMH	1800	298513CB	8.49	7.69	6.79	299268CB	10.15	9.69	9.25
SC	NiCad	2200	298661CB	9.29	8.79	8.39	299410CB	10.15	9.69	9.25
D	NiCad	5000	298812CB	22.19	19.99	17.79	299567CB	22.19	19.99	17.79

3.6 Volts

Cell Size	Type	mAh	Solder Tabs Jameco Part No.	Solder Tabs Pricing 1	10	25	Lead Wires Jameco Part No.	Lead Wires Pricing 1	10	25
AA	NiCad	700	298193CB	$5.55	$5.29	$4.89	299090CB	$8.39	$7.69	$7.05
AA	NiCad	1000	298345CB	7.25	6.55	5.85	299241CB	11.59	10.59	9.39
AA	NiMH	1800	298492CB	10.69	10.15	9.35	299399CB	11.85	10.75	9.75
SC	NiCad	2200	298644CB	10.99	9.89	8.89	299541CB	32.55	29.35	26.49
D	NiCad	5000	298791CB	31.69	28.49	25.65				
AA	NiCad	700	298222CB	$5.55	$5.29	$4.69	298978CB	$7.85	$7.25	$6.59
AA	NiCad	1000	298370CB	7.25	6.19	4.65	299129CB	8.39	7.69	6.99
AA	NiMH	1800	298521CB	9.29	8.79	8.39	299276CB	11.55	10.99	10.49
SC	NiCad	2200	298679CB	10.99	9.89	8.89	299428CB	11.85	10.75	9.75
D	NiCad	5000	298821CB	31.69	28.49	25.65	299575CB	32.55	29.35	26.49
AA	NiCad	700	298302CB	$5.79	$5.29	$4.69	299057CB	$5.79	$5.29	$4.69
AA	NiCad	1000	298450CB	7.19	6.55	5.85	299209CB	7.19	6.55	5.85
AA	NiMH	1800	298601CB	11.75	10.59	9.39	299356CB	14.39	12.99	11.79
SC	NiCad	2200	298759CB	13.55	12.15	10.95	299508CB	14.39	12.99	11.79
D	NiCad	5000	298901CB	37.29	33.59	30.25	299655CB	33.35	29.99	26.69

4.8 Volts

Cell Size	Type	mAh	Solder Tabs Jameco Part No.	Solder Tabs Pricing 1	10	25	Lead Wires Jameco Part No.	Lead Wires Pricing 1	10	25
AA	NiCad	700	298206CB	$6.99	$6.35	$5.69	298951CB	$7.85	$7.19	$6.55
AA	NiCad	1000	298353CB	9.59	8.65	7.79	299102CB	10.45	9.49	8.59
AA	NiMH	1800	298505CB	13.59	12.89	11.99	299250CB	14.39	13.75	13.09
SC	NiCad	2200	298652CB	13.89	12.49	11.25	299401CB	14.75	13.35	12.09
D	NiCad	5000	298804CB	39.99	35.99	32.39	299559CB	40.89	36.89	33.29
AA	NiCad	700	298249CB	$6.99	$6.29	$5.69	298994CB	$7.79	$7.19	$6.55
AA	NiCad	1000	298396CB	9.65	8.69	7.85	299145CB	10.45	9.49	8.59
AA	NiMH	1800	298548CB	13.55	12.85	11.95	299292CB	14.39	13.75	13.09
SC	NiCad	2200	298695CB	13.89	12.25	11.25	299444CB	14.75	13.35	12.09
D	NiCad	5000	298847CB	39.89	35.89	32.29	299591CB	40.75	36.75	33.15
AA	NiCad	700	298231CB	$6.99	$6.39	$5.75	298986CB	$7.85	$7.25	$6.59
AA	NiCad	1000	298388CB	9.59	8.65	7.79	299137CB	10.45	9.49	8.59
AA	NiMH	1800	298530CB	10.69	10.15	9.65	299284CB	14.39	13.75	13.09
SC	NiCad	2200	298687CB	13.89	12.49	11.25	299436CB	14.75	13.35	12.09
D	NiCad	5000	298839CB	39.99	35.99	32.39	299583CB	40.89	36.85	33.25
AA	NiCad	700	298273CB	$6.99	$6.35	$5.69	299022CB	$7.85	$7.19	$6.55
AA	NiCad	1000	298425CB	9.59	8.15	6.15	299170CB	10.45	9.49	8.65
AA	NiMH	1800	298572CB	13.59	12.85	11.99	299321CB	14.39	13.75	13.09
SC	NiCad	2200	298724CB	13.89	12.49	11.25	299479CB	14.75	13.35	12.09
D	NiCad	5000	298871CB	39.99	35.99	32.39	299621CB	40.89	36.85	33.25
AA	NiCad	700	298311CB	$7.49	$6.39	$4.79	299065CB	$7.75	$7.05	$6.25
AA	NiCad	1000	298468CB	9.69	8.75	7.75	299217CB	10.95	9.95	9.05
AA	NiMH	1800	298610CB	15.25	13.69	12.29	299364CB	14.95	13.45	12.79
SC	NiCad	2200	298767CB	15.25	13.69	12.29	299516CB	16.09	14.55	13.19
D	NiCad	5000	298919CB	42.45	38.19	36.29	299663CB	43.29	39.05	35.45

6.0 Volts

Cell Size	Type	mAh	Solder Tabs Jameco Part No.	Solder Tabs Pricing 1	10	25	Lead Wires Jameco Part No.	Lead Wires Pricing 1	10	25
AA	NiCad	700	298329CB	$8.29	$7.19	$6.79	299073CB	$9.25	$8.05	$7.69
AA	NiCad	1000	298476CB	10.09	9.09	8.19	299225CB	11.89	9.95	9.05
AA	NiMH	1800	298628CB	16.95	14.45	13.69	299372CB	17.75	15.29	14.59
SC	NiCad	2200	298775CB	16.89	14.39	12.95	299524CB	17.75	15.19	13.79
D	NiCad	5000	298927CB	47.55	40.39	38.39	299680CB	48.39	41.25	39.19

7.2 Volts

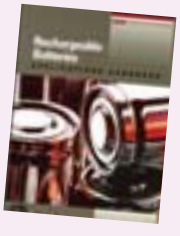
Cell Size	Type	mAh	Solder Tabs Jameco Part No.	Solder Tabs Pricing 1	10	25	Lead Wires Jameco Part No.	Lead Wires Pricing 1	10	25
AA	NiCad	700	298257CB	$10.59	$9.49	$8.55	299006CB	$11.45	$10.35	$9.49
AA	NiCad	1000	298409CB	14.39	12.95	11.65	299153CB	15.25	13.75	12.45
AA	NiMH	1800	298556CB	18.25	16.39	14.75	299305CB	19.09	17.25	15.59
SC	NiCad	2200	298708CB	20.79	18.69	16.85	299452CB	21.65	19.55	17.69
D	NiCad	5000	298855CB	59.79	53.79	53.15	299604CB	60.69	54.69	53.15
AA	NiCad	700	298281CB	$10.59	$9.49	$8.55	299031CB	$11.45	$10.35	$9.39
AA	NiCad	1000	298433CB	14.39	12.95	11.65	299188CB	15.25	13.79	12.49
AA	NiMH	1800	298581CB	18.25	16.39	14.75	299330CB	19.09	17.25	15.59
SC	NiCad	2200	298732CB	20.79	18.69	16.85	299487CB	21.65	19.59	17.69
D	NiCad	5000	298880CB	59.79	53.79	53.35	299639CB	60.69	54.69	53.35

9.6 Volts

Cell Size	Type	mAh	Solder Tabs Jameco Part No.	Solder Tabs Pricing 1	10	25	Lead Wires Jameco Part No.	Lead Wires Pricing 1	10	25
AA	NiCad	700	298265CB	$14.15	$12.69	$11.39	299014CB	$14.95	$13.49	$12.25
AA	NiCad	1000	298417CB	19.19	17.29	15.55	299161CB	20.05	18.09	16.39
AA	NiMH	1800	298564CB	23.69	21.29	19.19	299313CB	24.55	22.15	20.05
SC	NiCad	2200	298716CB	27.75	24.95	22.45	299461CB	28.59	25.79	23.29
D	NiCad	5000	298863CB	79.75	71.75	70.89	299612CB	80.59	72.59	70.89
AA	NiCad	700	298290CB	$10.99	$9.89	$8.89	299049CB	$10.99	$9.89	$8.89
AA	NiCad	1000	298441CB	13.65	12.29	11.05	299196CB	14.49	13.09	11.89
AA	NiMH	1800	298599CB	21.25	19.09	17.19	299348CB	22.09	19.99	18.05
SC	NiCad	2200	298741CB	21.99	19.79	17.79	299495CB	22.89	20.65	18.69
D	NiCad	5000	298898CB	56.99	51.29	48.69	299647CB	57.85	52.15	49.55

Rechargeable Batteries Application Handbook

Butterworth-Heinemann This handbook represents the first widely-available compendium of information needed by those design professionals responsible for using rechargeable batteries. It introduces the most common forms of rechargeable batteries, including their history, the basic chemistry that governs their operation, and common design approaches. The introduction also exposes the reader to commonbattery design terms and concepts. (290 pages, 1998)



✪ Blue P/N = Limited Quantity Available

Part No.	Description	Price
305171CB	Rechargeable batteries handbook ✪	$43.95

Batteries

JAMECO ReliaPro

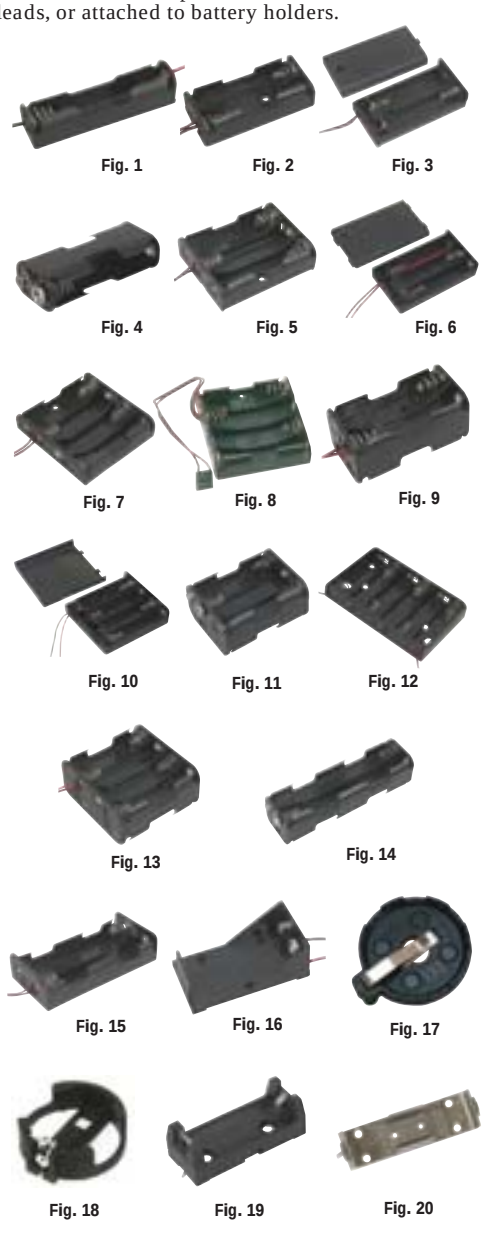
Battery Holders

A Jameco EXCLUSIVE SALE NEW

Eliminate battery mounting problems in portable DC power applications and products. These holders are made from special materials that maintain retention properties longer than conventional holders. They can come with leads, or attached to battery holders.

Part No.	Cross Ref. No.	Fig.	No. of Cells	Connector	Sides	Features	1	10	100	500
216071CB	BH-311-2A ⊕	1	1-AA	Wires	Single		$.69	$.62	$.56	$.46
216080CB	BH-321-2A ⊕	2	2-AA	Wires	Single		.69	.62	.56	.50
216098CB	BH-321-4A ⊕	2	2-AA	Wires	Single	With mounting tabs	.59	.53	.42	.32
216101CB	SBH-321-2A ⊕	3	2-AA	Wires	Single	With cover, no switch	.59	.53	.42	.32
216119CB	SBH-321-1AS ⊕	3	2-AA	Wires	Single	With cover and switch	.79	.71	.64	.54
216127CB	BH-322-1B ⊕	4	2-AA	Snaps	Dual		.59	.53	.42	.32
216135CB	BH-331-A ⊕	5	3-AA	Wires	Single		.89	.79	.72	.65
216143CB	SBH-331-AS ⊕	6	3-AA	Wires	Single	With cover and switch	.99	.79	.71	.53
216151CB	BH-341-2A ⊕	7	4-AA	Wires	Single		.99	.89	.84	.79
105857CB	✳ ⊕	8	4-AA	Wires	Single	Wires with connector	.89	.80	.59	.443
216178CB	BH-343-1A ⊕	9	4-AA	Wires	Dual		.65	.55	.47	.35
216186CB	SBH-341-1AS ⊕	10	4-AA	Wires	Single	With cover and switch	1.09	.89	.85	.75
216194CB	BH-341-2B ⊕	7	4-AA	Snaps	Single		.49	.39	.36	.32
216207CB	BH-343-1B	9	4-AA	Snaps	Dual		.59	.49	.45	.40
216215CB	BH-363-A ⊕	11	6-AA	Wires	Dual		.75	.68	.61	.55
216223CB	BH-364-A ⊕	12	6-AA	Wires	Single		.95	.85	.69	.51
216231CB	BH-363-B ⊕	11	6-AA	Snaps	Dual		.99	.75	.69	.65
216240CB	BH-383-A ⊕	13	8-AA	Wires	Dual		1.09	.98	.78	.59
216258CB	BH-382-B ⊕	14	8-AA	Snaps	Dual		1.19	.99	.89	.85
216266CB	BH-383-B ⊕	13	8-AA	Snaps	Dual		1.19	.99	.86	.64
216274CB	BH-411-1A ✪	1	1-AAA	Wires	Single		.49	.38	.36	.35
216282CB	BH-421-1A ⊕	2	2-AAA	Wires	Single		~~$0.69~~ .59	.53	.48	.43
216291CB	SBH-421-AS ⊕	3	2-AAA	Wires	Single	With cover and switch	.65	.54	.47	.35
216303CB	BH-431-1A ⊕	5	3-AAA	Wires	Single		.69	.62	.56	.49
216311CB	SBH-431-1AS ⊕	6	3-AAA	Wires	Single	With cover and switch	~~$0.79~~ .75	.66	.59	.49
216320CB	BH-441-1A ⊕	7	4-AAA	Wires	Single		.89	.79	.72	.65
216338CB	SBH-441-AS ⊕	10	4-AAA	Wires	Single	With cover and switch	1.25	1.12	.90	.68
216346CB	BH-211-A ⊕	1	1-C	Wires	Single		.55	.50	.40	.30
216354CB	BH-221-A ⊕	2	2-C	Wires	Single		1.19	1.07	.86	.65
216362CB	BH-242-1A ⊕	15	4-C	Wires	Single		1.39	1.29	1.09	.99
216371CB	BH-111-1A ⊕	1	1-D	Wires	Single		.69	.59	.54	.49
216389CB	BH-121-1A ⊕	2	2-D	Wires	Single		.99	.89	.71	.53
216397CB	BH-121-1B	2	2-D	Snaps	Single		.99	.89	.79	.72
216400CB	BH-142-A ⊕	15	4-D	Wires	Single		1.19	1.07	.96	.80
216418CB	BH-143-1A ⊕	7	4-D	Wires	Single		1.15	.89	.81	.74
216426CB	BH-9V-A ⊕	16	1-9V	Wires	Single		.79	.69	.64	.59
216434CB	BH-511-1A ✪	1	1-N	Wires	Single		.59	.53	.42	.32
38543CB	2S2325 ⊕	17	1-CR2354 or 2-CR2325	PC Mount	Coin cell		1.10	.99	.89	.66
355434CB	17002-00603 ⊕	18	1-CR2032	PC Mount	Coin cell		.63	.58	.49	.47
Other Manufacturers — Limited Great Deals										
644009CB	1026	17	2-CR2016	PC Mount	Coin cell		$.77	$.71	$.64	$.44
237315CB	1029	19	1-2/3AA	PC Mount	Single		~~$0.75~~ .59	.53	.48	.43
236996CB	103	17	1-CR2032	PC Mount	Coin cell		.75	.68	.54	.40
643954CB	139	20	1-AA	Tabs	Single		.63	.56	.51	.41

✳ Battery holder used in many personal computers ✪ Blue Part No. = Limited Quantity Available



Compact Battery Tester

Simply lift the swivel arm of this battery tester and place your battery between the contacts and it will provide you a voltage measurement of your batteries. Tests AAA, AA, C, D, 9V, and button cell batteries.



✪ Blue Part No. = Limited Quantity Available

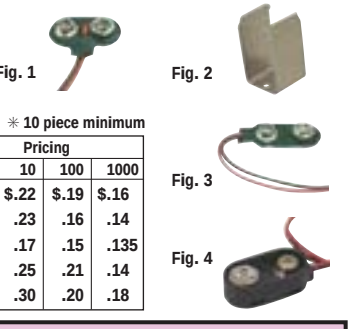
Part No.	Description	1	5
239556CB	Compact battery tester ✪ ⊕ ...	$4.49	$3.99

"9-Volt" Battery Snaps and Clip

- Use with standard "9 volt" batteries
- Fully insulated; contacts are nickel-plated brass
- Leads are color-coded, stripped and pre-tinned
- Snap: male outer dia. = 0.225" • Female inner dia.: 0.215"

✳ 10 piece minimum

Part No.	Fig.	Description	Dimensions (in.) L	W	H	Pricing 1	10	100	1000
11279CB	1	3", 26 AWG, 6 prong battery snap ⊕	1.0	.50	–	$.25	$.22	$.19	$.16
105793CB	2	Battery holder clip ⊕	.63	.71	1.2	.28	.23	.16	.14
109153CB	3	6", 26 AWG, 6 prong battery snap ⊕	1.0	.50	–	✳	.17	.15	.135
101469CB	3	10", 26 AWG, 6 prong battery snap ⊕	1.0	.50	–	.29	.25	.21	.14
216451CB	4	6", 26 AWG, 6 prong battery snap ⊕	1.0	.50	–	.34	.30	.20	.18



Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost!

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Color Code Legend: New | Sale | Lower$ | QtySave

Save 10% or more on most batteries!

Lithium, Lithium Ion and NiCd Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers / descramblers and remotes.


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig. 12


Fig. 13


Fig. 14


Fig. 15


Fig. 16


Fig. 17


Fig. 18


Fig. 19


Fig. 20


Fig. 21


Fig. 22


Fig. 23


Fig. 24


Fig. 25


Fig. 26


Fig. 27


Fig. 28


Fig. 29


Fig. 30


Fig. 31


Fig. 32


Fig. 33

Lithium & Lithium Ion

SALE

Part No.	Cross Ref. No.	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
618011CB	CR1/3N	1	—	3	160	Photocell	0.43"H x 0.46"Dia.	$2.45	$2.35	$2.25
240258CB	CR123A	2	—	3	1300	Photo/computer	1.36"L x 0.65"Dia.	2.65	2.45	2.35
33371CB	TL5101P	3	1/2AA	3.6	850	Barrel w/ leads (clock/mem.)	0.93"L x 0.56"Dia.	5.79	5.27	4.45
33398CB	TL5104P	4	AA	3.6	1900	Barrel w/ leads (clock/mem.)	1.88"L x 0.56"Dia.	5.95	5.49	5.19
146114CB	TL2100S	5	AA	3.6	1900	Barrel pressure (clock/mem.)	1.91"L x 0.56"Dia.	6.95	6.29	5.65
240186CB	CR1616	—	Coin Cell	3	55	Clock/memory/watch	0.07"Dia. x 0.61"Th.	.62	.56	.45
240207CB	CR2016	—	Coin Cell	3	75	Clock/memory/watch	0.07"Dia. x 0.79"Th.	.34	.31	.28
240215CB	CR2025	—	Coin Cell	3	150	Clock/memory/watch	0.10"Dia. x 0.78"Th.	.29	.27	.26
11789CB	CR2325	6	Coin Cell	3	165	Clock/memory/watch	0.91"Dia. x 0.13"Th.	1.65	1.47	1.25
252232CB	BR2325/1VG	7	Coin Cell	3	175	Vertical, PC mount	1.00"Dia. x 0.90"Th.	1.49	1.39	1.35
14162CB	CR2032	—	Coin Cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Th.	1.25	1.12	.94
240223CB	CR2335	—	Coin Cell	3	300	Clock/memory/watch	0.14"Dia. x 0.92"Th.	.99	.89	.71
240231CB	CR2450	—	Coin Cell	3	500	Clock/memory/watch	0.18"Dia. x 0.97"Th.	1.09	.93	.69
126754CB	TL5101S	8	Sub-AA	3.6	850	Macintosh®	0.95"L x 0.56"Dia.	6.95	6.29	5.65
240266CB	ER14250	9	Sub-AA	3.6	1000	Consumer tip	1.00"L x 0.55"Dia.	3.99	3.89	3.81
263898CB	ER14250	10	Sub-AA	3.6	1000	With axial leads	1.00"L x 0.55"Dia.	4.29	4.11	3.90
263978CB	ER14335	10	Sub-AA	3.6	1450	With axial leads	1.30"L x 0.55"Dia.	4.79	4.62	4.36
263951CB	ER14335	11	Sub-AA	3.6	1450	With solder tabs	1.30"L x 0.55"Dia.	~~$4.59~~ 3.99	3.69	3.49
240282CB	ER14335	12	Sub-AA	3.6	1450	Consumer tip	1.30"L x 0.55"Dia.	4.15	3.74	3.54
263943CB	ER14505	13	AA	3.6	2100	With axial leads	2.00"L x 0.57"Dia.	5.35	4.99	4.70
240303CB	ER14505	14	AA	3.6	2400	Consumer tip	2.00"L x 0.55"Dia.	5.19	4.85	4.55
263935CB	ER14505	15	AA	3.6	2100	With solder tabs	2.00"L x 0.55"Dia.	4.99	4.75	4.52
240320CB	ER17335	16	Sub-A	3.6	1450	Consumer tip	1.30"L x 0.67"Dia.	~~$5.25~~ 3.45	3.15	2.85
264217CB	ER17335	—	Sub-A	3.6	1450	With axial leads	1.30"L x 0.67"Dia.	~~$5.55~~ 5.15	4.65	4.19
263986CB	ER26500	—	C	3.6	8500	With axial leads	2.00"L x 1.02"Dia.	13.19	12.42	11.67
240160CB	ER26500	17	C	3.6	8500	Consumer tip	2.00"L x 1.02"Dia.	11.95	11.50	11.05
263994CB	ER34615	—	D	3.6	16,500	With axial leads	2.40"L x 1.34"Dia.	~~$16.65~~ 15.35	13.85	12.45
240151CB	ER34615	18	D	3.6	16,500	Consumer tip	2.40"L x 1.34"Dia.	15.05	14.49	13.95
244646CB	UR18650H1	19	—	3.6	2200	Flat top lithium ion (rechargeable)	2.60"L x 0.71"Dia.	17.55	15.79	14.21

NiCd – Rechargeable

Part No.	Cross Ref. No.	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
244662CB	AAA-240	20	AAA	1.2	240	Flat top	1.70"L x 0.40"Dia.	$1.69	$1.52	$1.22
244540CB	AAA-240-CT	21	AAA	1.2	240	Consumer tip	1.70"L x 0.40"Dia.	~~$1.89~~ 1.79	1.65	1.45
244380CB	2/3AA-320	22	2/3AA	1.2	320	Flat top	1.10"L x 0.55"Dia.	1.19	1.07	.86
244443CB	4/5AA-600	23	4/5AA	1.2	600	Flat top	1.70"L x 0.55"Dia.	.99	.89	.80
244486CB	AA-600	24	AA	1.2	600	Flat top	1.90"L x 0.55"Dia.	~~$1.25~~ 1.15	1.05	.95
244507CB	AA-1000	24	AA	1.2	1000	Flat top	1.90"L x 0.55"Dia.	2.39	2.15	1.94
261657CB	AA-700-CT	25	AA	1.2	700	Consumer tip	1.90"L x 0.55"Dia.	1.37	1.25	.96
244515CB	AA-1000-CT	25	AA	1.2	1000	Consumer tip	1.90"L x 0.55"Dia.	2.65	2.43	2.33
244355CB	1/3A-250	26	1/3A	1.2	250	Flat top	0.65"L x 0.65"Dia.	1.19	1.07	.86
244371CB	2/3A-650	27	2/3A	1.2	650	Flat top	1.10"L x 0.65"Dia.	1.59	1.43	1.29
244603CB	2/3A-100HD	27	2/3A	1.2	1100	Flat top	1.10"L x 0.65"Dia.	1.79	1.61	1.48
244427CB	4/5A-1100	28	4/5A	1.2	1100	Flat top	1.70"L x 0.65"Dia.	1.49	1.34	1.30
244574CB	SC-1500	29	Sub-C	1.2	1500	Flat top	1.70"L x 0.89"Dia.	2.15	1.98	1.87
244953CB	SC-1500HT	29	Sub-C	1.2	1500	Flat top, high temperature	1.70"L x 0.89"Dia.	2.15	1.94	1.74
244654CB	SC-1900	29	Sub-C	1.2	1900	Flat top	1.70"L x 0.89"Dia.	3.69	3.23	3.08
244401CB	2/3SC-700	30	2/3SC	1.2	700	Flat top	1.00"L x 0.89"Dia.	2.85	2.56	2.05
244451CB	4/5SC-1250	—	4/5SC	1.2	1250	Flat top	1.30"L x 0.89"Dia.	2.85	2.56	2.35
244460CB	5/4SC-2300	—	5/4SC	1.2	2300	Flat top	1.90"L x 0.89"Dia.	5.45	4.90	3.92
244363CB	1/3C-700	—	1/3C	1.2	700	Flat top	0.87"L x 1.00"Dia.	2.35	2.12	1.69
244339CB	1/2C-800✪	31	1/2C	1.2	800	Flat top	0.95"L x 1.00"Dia.	2.59	2.33	2.10
244671CB	C-2000	32	C	1.2	2000	Flat top	1.90"L x 1.00"Dia.	3.69	3.35	2.99
244523CB	C-2200-CT✪	33	C	1.2	2200	Consumer tip	1.90"L x 1.00"Dia.	~~$4.25~~ 3.75	3.39	3.09
244531CB	C-2500-CT	33	C	1.2	2500	Consumer tip	1.90"L x 1.00"Dia.	4.65	4.19	3.77

✪ Blue Part No. = Limited Quantity Available

Save 10% or more on most batteries!

NiCd and NiMH Batteries

SALE


Fig. 1


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig. 12

NiCd – Rechargeable (Continued)

Part No.	Cross Ref. No.	Figure	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
244961CB	C-2500HT	1	C	1.2	2500	Flat top, high temperature	1.90"L x 1.00"Dia.	$4.75	$4.28	$3.85
244689CB	C-2500	1	C	1.2	2500	Flat top	1.90"L x 1.00"Dia.	4.65	4.19	3.35
244347CB	1/2D-2200	2	1/2 D	1.2	2200	Flat top	1.40"L x 1.30"Dia.	3.89	3.50	3.15
244566CB	2/3D-2800	—	2/3 D	1.2	2800	Flat top	1.70"L x 1.30"Dia.	4.75	4.28	3.42
244697CB	D-5000	3	D	1.2	5000	Flat top	2.40"L x 1.30"Dia.	6.99	6.29	5.66
244558CB	D-5000-CT	4	D	1.2	5000	Consumer tip	2.40"L x 1.30"Dia.	~~$7.79~~ 6.15	5.59	5.09
244419CB	3/2D(F)-8000	5	F	1.2	8000	Flat top	3.45"L x 1.30"Dia.	~~$18.49~~ 12.15	11.05	10.05
126720CB	351FT	6	—	3.6	60	2-lead (pin), barrel	0.72"L x 1.28"Dia.	4.49	4.05	3.65
119116CB	3/V60R	7	—	3.6	60	3-lead (pin), barrel	0.74"L x 0.61"Dia.	3.75	3.39	3.05
101653CB	NA101-1	8	—	3.6	60	2-lead (eyelet), barrel	0.72"L x 0.61"Dia.	5.49	4.95	3.95


Fig. 13


Fig. 14


Fig. 15

NiMH – Rechargeable

Part No.	Cross Ref. No.	Figure	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
244937CB	PRIZ-F6(48)-700	—	—	1.2	700	Flat top-prizmatic	1.86"L x 0.65"W x 0.23"T	$2.85	$2.56	$2.31
244945CB	PRIZ-7/5F6-1100✪	9	—	1.2	1100	Flat top-prizmatic	2.63"L x 0.65"W x 0.23"T	3.75	3.38	3.04
244582CB	2/3AAA-300	10	2/3 AAA	1.2	300	Flat top	1.11"L x 0.40"Dia.	1.34	1.21	1.09
244785CB	5/4AAA-750	11	5/4 AAA	1.2	750	Flat top	2.00"L x 0.40"Dia.	2.29	2.11	2.05
261665CB	AAA-700FT	12	AAA	1.2	700	Flat top	1.70"L x 0.40"Dia.	2.25	1.99	1.91
244814CB	AA-1800	14	AA	1.2	1800	Flat top	1.90"L x 0.55"Dia.	~~$2.35~~ 2.19	1.99	1.79
244822CB	AA-1800-CT	15	AA	1.2	1800	Consumer tip	1.90"L x 0.55"Dia.	2.35	2.12	1.99
244831CB	4/3AA-1900	16	4/3 AA	1.2	1900	Flat top	2.60"L x 0.55"Dia.	6.19	5.57	4.46
244857CB	2/3A-1100	17	2/3 A	1.2	1100	Flat top	1.10"L x 0.65"Dia.	3.25	2.92	2.63
244864CB	4/5A-1800	18	4/5 A	1.2	1800	Flat top	1.70"L x 0.65"Dia.	~~$2.85~~ 2.59	2.35	2.15
244970CB	A-2200	19	A	1.2	2200	Flat top	1.90"L x 0.65"Dia.	3.35	3.02	2.78
244873CB	4/3A-2500	20	4/3 A	1.2	2500	Flat top	2.60"L x 0.65"Dia.	4.79	4.31	4.17
244890CB	SC-2900-HD	21	Sub-C	1.2	2900	Flat top, high discharge	1.70"L x 0.90"Dia.	6.49	6.04	5.89
244902CB	D-9000	22	D	1.2	9000	Flat top	2.40"L x 1.30"Dia.	19.29	17.36	13.89
244911CB	D-9000-CT	22	D	1.2	9000	Consumer tip	2.40"L x 1.30"Dia.	21.45	19.30	14.47
244620CB	9V-200	23	9V	9	200	Snaps	1.94"L x 0.65"Dia.	7.79	6.92	6.22


Fig. 16


Fig. 17


Fig. 18


Fig. 19


Fig. 20


Fig. 21

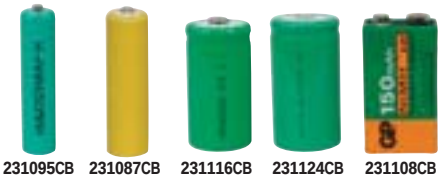

Fig. 22


Fig. 23

✪ Blue P/N = Limited Quantity Available

Long-Lasting Rechargeable NiMH Batteries

Why buy & throw away hundreds of batteries? Now you can reuse longer-lasting, money saving NiMH rechargeable batteries instead! They feature twice the power of NiCd batteries, so they're ideal for power-hungry devices like digital cameras and camcorders.


231095CB 231087CB 231116CB 231124CB 231108CB

NiMH Batteries

Part No.	Description	1	10	25	100
231095CB	2x AAA, 600mAh	$6.95	$6.25	$5.65	$5.05
231087CB	4x AA, 1600mAh	13.95	12.55	11.29	10.19
231116CB	2x C, 3000mAh	12.49	11.24	10.12	9.11
231124CB	2x D, 7000mAh	17.99	16.19	12.95	10.96
231108CB	1x "9V", 150mAh	8.39	7.65	6.95	6.35

NiMH Charger

Universal battery charger for AAA, AA, C, D and "9V" cells (batteries not included)

NEW

- Recharge batteries singly or as a group
- Automatic charging current selection for different sizes of batteries
- Fast charging in the specified period with an automatic switch for trickle charge
- LED lamp to indicate proper charging
- Built-in IC timer control



Part No.	Description	1	5	10
231132CB	Universal charger	$17.09	$15.55	$14.15

Jameco's Site Now Includes Parametric Search!

Now, many of our expanded product lines can be sorted and selected by the product specifications you choose for faster comparison and selection!

www.Jameco.com



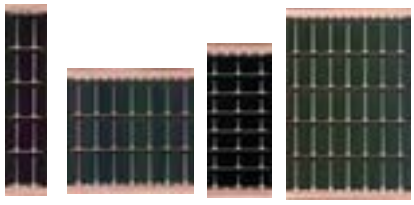
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PowerFilm Flexible Thin Film Solar Modules

Wireless Electronics Series

The Wireless Electronics Series offers a new opportunity to solve the old problem of limited power for wireless electronics in portable and remote applications. These modules are lightweight, paper thin, and durable. With their ultra-film profile, they are easily integrated with devices for solar recharging or direct powering. Specifically developed to recharge AA, AAA, plus 6 and 12 volt batteries.



227993CB 228013CB 228030CB 228064CB

Part No.	Product No.	Operating Voltage (V)	Operating Current (mA)	Size (L x W x T) Inches	Size (L x W x T) mm	Pricing 1	Pricing 10	Pricing 100
227985CB	SP3-37	3.0	22	2.5 x 1.5 x .01	64 x 37 x 0.2	$3.89	$3.49	$3.19
227993CB	TX 3-25	3.0	25	4.5 x 1.0 x .01	114 x 25 x 0.2	2.89	2.45	1.99
171061CB	MP3-37	3.0	50	4.5 x 1.5 x .01	114 x 37 x 0.2	5.89	5.29	4.99
228013CB	MPT3.6-75	3.6	50	2.9 x 3.0 x .01	74 x 75 x 0.2	8.89	7.99	7.19
228030CB	SP4.2-37	4.2	22	3.3 x 1.5 x .01	84 x 37 x 0.2	5.89	5.29	4.79
228048CB	MPT4.8-75	4.8	50	3.7 x 3.0 x .01	97 x 75 x 0.2	11.89	10.69	9.59
228056CB	MPT4.8-150	4.8	100	3.7 x 5.9 x .01	94 x 150 x 0.2	22.89	20.59	18.49
228064CB	MPT6-75	6.0	50	4.5 x 3.0 x .01	114 x 75 x 0.2	13.89	12.49	11.29
228072CB	MPT6-150	6.0	100	4.5 x 5.9 x .01	114 x 150 x 0.2	27.89	24.99	22.49
228099CB	MP7.2-150	7.2	200	10.0 x 5.9 x .02	253 x 150 x 0.6	39.89	37.99	34.99
228101CB	MPT15-75	15.4	50	10.0 x 3.0 x .02	253 x 75 x 0.6	26.89	24.29	21.99
228110CB	MPT15-150	15.4	100	10.0 x 5.9 x .02	253 x 150 x 0.6	44.89	42.99	39.99

Remote Control Aircraft Series

Designed to be easily integrated with remote control aircraft or anywhere weight is critical. These modules are very lightweight. Solder can be applied from the back of the module via the extended copper tape, and the modules have an extra edge seal for protection. We offer versions with and without a strong pressure-sensitive adhesive for simple bonding.

SALE



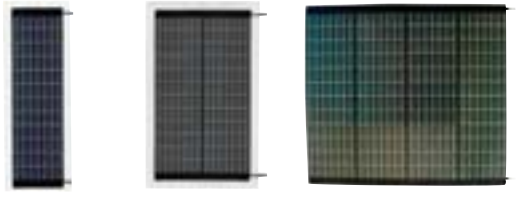
228144CB/228152CB

Part No.	Product No.	Operating Voltage (V)	Operating Current (mA)	Size (L x W x T) Inches	Size (L x W x T) mm	Pricing 1	Pricing 10	Pricing 100
228144CB	RC7.2-75	7.2	100	10.6 x 3.5 x .01	270 x 90 x 0.2	~~$29.89~~ $24.95	$22.49	$20.25
228152CB	RC7.2-75PSA*	7.2	100	10.6 x 3.5 x .01	270 x 90 x 0.2	~~$32.89~~ 29.95	26.99	24.29

*PSA = Pressure Sensitive Adhesive

WeatherPro Series

The right choice for permanent outdoor applications that are directly exposed to the elements. These modules feature rugged construction, a UV-stabilized surface, an extra edge seal for weather protection, and tin-coated copper leads that extend from the module.



228161CB/228187CB 228179CB/228195CB 228208CB

Part No.	Product No.	Operating Voltage (V)	Operating Current (mA)	Size (L x W x T) Inches	Size (L x W x T) mm	Pricing 1	Pricing 10	Pricing 100
228161CB	P7.2-75	7.2	100	10.3 x 3.9 x .04	270 x 100 x 1.1	$39.89	$36.99	$33.99
228179CB	P7.2-150	7.2	200	10.3 x 6.9 x .04	270 x 175 x 1.1	59.89	54.99	49.99
228187CB	PT15-75	15.4	50	10.3 x 3.9 x .04	270 x 100 x 1.1	39.89	36.99	33.99
228195CB	PT15-150	15.4	100	10.3 x 6.9 x .04	270 x 175 x 1.1	59.89	56.99	52.99
228208CB	PT15-300	15.4	200	10.3 x 12.8 x .04	270 x 325 x 1.1	99.89	94.99	89.99

Mini-Panel Solar Cells

Ready to Use! No Soldering



200221CB

Encapsulated mini-panels utilize solar cells similar to those that power our satellites in space, yet they are safe and simple to use. Mini-panels allow for handling without the normal breakage and cell damage associated with fragile solar cells. 6" red / black lead wires attached. Modules may be connected to create different outputs.

• Size: 3.8"L x 2.5"W • Connection: lead

Part No.	Cross Ref. No.	VDC @ mA	Size (LxW)	1	10
200205CB	SOL2 ⊕	0.5 @ 800	2.6" x 3.7"	$7.95	$7.15
200221CB	SOL4 ⊕	2.0 @ 200	3.0" x 3.7"	8.99	7.99
215319CB	4-3.0-100	3.0 @ 100	3.8" x 2.5"	14.29	12.89
215327CB	4-6.0-50	6.0 @ 50	3.8" x 2.5"	15.79	14.39

Trick Trickle, No Drop



Jameco ideas just never stop! No one needs to tell you that solar cells can be used to charge outdoor projects in many sunny parts of the world. But even self-charging systems can benefit from solar cells!

If you're designing systems for occasional-use applications like field-based monitoring and control systems, boats, recreational vehicles, etc., remember that leakage current, even in your newest rechargeable batteries, will deplete them over time.

A simple trickle charger can prevent resulting surprises. And when external power sources are not available, solar cells can provide ample current to keep your batteries fresh and ready to go! Plus, their relatively low cost is great insurance that can prevent mission-critical failures.

Practical Practices
Money Saving Tips for the Engineer

Super Bright, Super Reliable LED Flashlight



SALE

Containing space-age solid-state circuitry, batteries last 14x longer than conventional flashlights. Its super bright white LEDs will last at least 11 years.

- Waterproof, designed for all weather conditions
- One month continuous operation using three "D" cell batteries (not included, P/N 215845CB, pg 225)
- Rubber over-molding • Weight: 0.8 lbs.

Part No.	Cross Ref. No.	LEDs	Length	1	10
215677CB	LW-4000 ⊕	10	10.6"	$54.95	$49.59

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions.

Just call us! 1-800-831-4242



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Green Laser Alignment Tool

- Finger-touch pressure switch
- 30x brighter than red laser
- Wavelength: 532mm • Distance: 2,000 yards
- Dot size: >1.75"Dia. @ 100 yards

Includes: 3V lithium battery



Part No.	Output Power	Size (L x Dia.)	1	10
421711CB	5mW max. ⊕	2.6" x 0.75"	$199.95	$179.95

Stylus Laser Pointer

A multi-function laser that serves as a stylus pen for PDAs. Buttons for a flashlight or a laser pointer.



- 500 yard range for laser-pointer function
- Super bright white LED for flashlight • Brass body, satin silver color

Includes: 3 LR41 batteries

Part No.	Output Power	Size (L x Dia.)	1	10
421702CB	5mW max. ⊕	5.625" x .375"	$24.95	$22.46

650nm Line and Dot Laser Diodes

143845CB/173243CB: Class IIIa Laser Product

- Focus adjustable w/ locking set screw
- Wattage: 5mW
- Operating voltage: 3-5V
- Size: 3.3"L x 0.9"Dia.
- One-year warranty



173243CB

143845CB: Line laser module

- Laser line width: 1mm • Laser fan angle: 60˚

173243CB: Cross hair laser diode module

- Laser fan angle: 60˚
- Size: 3.0"L x 0.9"D
- Female 2.1mm power connector

143837CB: Module regulated power supply

- Output: 5VDC @ 100mA
- Short circuit protection
- Input voltage: 95-125VAC or 190-250VAC switchable
- Size: 2.0"W x 1.7"D x 9.2"H
- Weight: 0.6 lbs.



143853CB: Laser module mount

- Built to hold laser diode on target
- X-Y tilt, θ movement
- Tightening screw for tilt adjustment

Part No.	Description	1	10
143845CB	Line laser diode module ⊕	$114.95	$103.95
173243CB	Cross hair laser diode mod ⊕	89.95	80.95
143837CB	Regulated power supply ⊕	19.95	17.95
143853CB	Laser diode module mount ⊕	49.95	39.95

Laser Diode Module

- Operates on 3VDC @ <5mW
- 650nm wavelength
- Beam diameter: 5 x 8mm
- Working distance: over 50 meters/yards (daylight), 200 meters/yards (dark)
- Size: 0.9"L x 0.3"Dia.
- One-year warranty

Class IIIa Laser Product



Part No.	Description	Price
310519CB	Laser module, brass ⊕	$44.95

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 305.

Glass-Lens Red Laser Diode and Line Generator

133292CB: Laser Diode Class IIIa Laser Product

This lens design uses 3-element glass to collect almost all the power from the laser diode resulting in a brighter spot than many typical laser applications.



133292CB

- Operating voltage: 4.0–6.0VDC (recommend P/N 112070CB, pg 215)
- Beam size at 7m: oval – 5mm x 8mm
- Maximum output: 4mW
- Wavelength: 660nm
- Beam divergence: 0.2mrad
- Green LED indicator
- Module size: 2.0"L x 0.5"W

134148CB: 60° Line Generating Lens

- Adjustable focus range: 50 cm to ∞
- Back focal length: 1.5mm
- Focal length: 8.0mm
- Fan angle: 60°
- Beam divergence: 2.0mrad
- Lens construction: 3E.3G (glass)
- Length at 1 meter distance: 1.7 m



134148CB

Part No.	Description	1	10	25
133292CB	Glass laser diode	$44.95	$39.95	$35.95
134148CB	60° lens ⊕	12.95	11.49	9.95

Laser Diode and Driver

182932CB: Laser Diode Class IIIa Laser Product

- Optical output power: ≤5mW maximum
- Operating current: 30mA
- Operating voltage: 2.6V maximum
- Lasting wavelength: 650nm typical
- 5.6mm packaging size
- Beam divergence of 11 degrees from center line maximum



182932CB



161736CB

161736CB: Laser driver w/ regulator

- Input voltage: 2.6-6VDC • Input current: 40mA

Part No.	Description	1	10	25
182932CB	650nm laser diode ⊕	$14.95	$13.45	$12.15
161736CB	Laser driver ⊕	7.95	6.95	6.25

Laser Pointer Pens



153605CB



127749CB

- Range up to 500 yards • 670nm red laser

Includes: 2 AAA batteries Class IIIa Laser Products

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	Size (L" x Dia")	1	10
153605CB	Black pen ⊕	5.2 x 0.4	$19.95	$17.95
127749CB	Silver brass ✪	5.4 x 0.4	18.99	16.99

Green Laser Pointer



Ultra-intense green beam is much brighter, goes much farther, and is easier on the eyes than standard red lasers.

Even the sleepiest audience will sit up and salute when you whip out a laser pointer that's green, not red… and so bright, you could be standing nearly half a mile away. Using a wavelength closely matched to the highest sensitivity of the human eye and built with cutting-edge crystal technology, this laser projects a green beam so powerful you can see it against a clear sky at night. You won't believe how bright it is.

SALE Hot Product!

- 90-day manufacture warranty

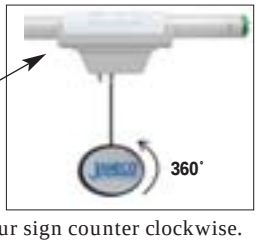
Includes: Metal gift box, clip and 2 AAA batteries

Part No.	Description	Output Wavelength	Output Power	Price
223731CB	Green laser pointer ⊕	532nm	<5mW	$152.25

Eye-Catching Solar Powered Retail Display Device

See www.Jameco.com for Data Sheet.





Add eye-catching motion to your in-store advertising with this solar clip-on motion display. Just clip on to an existing fluorescent light blub, add your own signage, turn the lights on and your in-store advertising sign comes to life. Long-life solar motor turns your sign counter clockwise. No batteries or AC power to worry about. No need to worry about tripping your motion sensing alarm systems because you can simply switch off your fluorescent light and the movement stops.

Part No.	Description	1	10
215221CB	Clip-on motion retail display SALE	$16.89	$15.35

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Serial LCD Displays

Scott Edwards Electronics, Inc.

• For detailed specification sheets, please visit **www.Jameco.com**. • One year warranty

Scott Edwards ILM-216L
• 16 x 2 characters • 2.8" x 1.0" display



150990CB

Matrix Orbital LK162-12
• 16 x 2 characters • 2.5" x 0.7" display



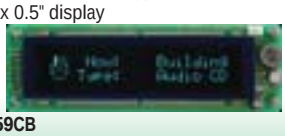
174166CB

Scott Edwards BPI-216N
• 16 x 2 characters • 2.8" x 1.0" display



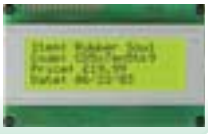
133129CB

Matrix Orbital VK202-25
• 20 x 2 characters w/ keypad interface
• 2.8" x 0.5" display



281359CB

Matrix Orbital LCD2041
• 20 x 4 characters • 3.0" x 1.0" display



150957CB

Matrix Orbital LK204-25
• 20 x 4 characters w/ keypad interface
• 3.0" x 1.0" display



157323CB

Matrix Orbital GLK12232-25-SM
• 20 x 4 characters with graphics
• 2.4" x 0.7" display



281391CB

Matrix Orbital GLK12232-25-WBL
• 20 x 4 characters with graphics
• 3.3" x 1.4" display



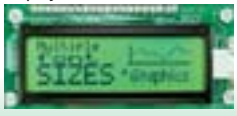
281404CB

Matrix Orbital VFD2041
• 20 x 4 characters • 3.0" x 1.0" display



303554CB

Scott Edwards SGX-120L
• 20 x 4 characters with graphics
• 2.6" x 1.1" display



158166CB

Matrix Orbital VK204-25
• 20 x 4 characters • 2.8" x 0.8" display

Lower $$$



281375CB

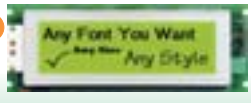
Scott Edwards BPP-440L
• 40 x 4 characters • 6.7" x 1.7" display



136485CB

Matrix Orbital GLC24064
• 40 x 8 characters with graphics
• 5.2" x 1.5" display

Lower $$$



174182CB

Matrix Orbital GLK24064-25
• 40 x 8 characters with graphics
• 5.0" x 1.3" display



281412CB

Recommended Power Supply
(P/N 164101CB)
for these LCD Displays...
See page 215.



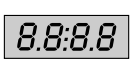
Part No.	Manufacturer	Product No.	Characters x Lines	Serial Input (bps)	Input Voltage	Backlight	Notes*	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing 1	10	25
150990CB	Scott Edwards	ILM-216L ⊕	16 x 2	1200 - 9600	4.8V-5.5V @ 5mA	Y	1,2,5	3.2x2.0x0.5	2.8 x 1.0	**$48.95**	**$44.09**	**$39.99**
174166CB	Matrix Orbital	LK162-12 ⊕	16 x 2	1200 - 19,200	5.0V @ 9mA	Y	1,3,4,6	3.2x1.5x0.8	2.5 x 0.7	**51.99**	**49.99**	**47.99**
133129CB	Scott Edwards	BPI-216N ⊕	16 x 2	2400 or 9600	4.8V - 5.5V @ 3mA	N	1, 2,11	3.1x1.4x0.7	2.8 x 1.0	**59.95**	**53.99**	**48.99**
281359CB	Matrix Orbital	VK202-25 ⊕	20 x 2 w/ keypad interface	1200 - 19,200	5.0V @ 130mA	Y	1,7,10	4.6x1.5x0.9	2.8 x 0.5	**88.99**	**87.97**	**84.47**
150957CB	Matrix Orbital	LCD2041 ⊕	20 x 4	1200 - 19,200	5.0V @ 10mA	Y	1,3,4,6	3.9x2.4x0.7	3.0 x 1.0	**57.99**	**55.99**	**55.50**
157323CB	Matrix Orbital	LK204-25 ⊕	20 x 4 w/ keypad interface	1200 - 19,200	5.0V @ 16mA	Y	1,3,4,6	3.7x2.4x1.1	3.0 x 1.0	**77.99**	**75.99**	**73.99**
281391CB	Matrix Orbital	GLK12232-25-SM ⊕	20 x 4 w/ graphics	9600 - 115,000	5.0V @ 250mA	Y	1,8	3.4x1.4x0.5	2.4 x 0.7	**68.99**	**67.99**	**65.49**
281404CB	Matrix Orbital	GLK12232-25-WBL ⊕	20 x 4 w/ graphics	9600 - 115,000	5.0V @ 20mA	Y	1,8	3.9x2.4x0.4	3.3 x 1.4	**74.99**	**73.99**	**71.19**
303554CB	Matrix Orbital	VFD2041 ⊕	20 x 4	1200 - 19,200	5.0V @ 20mA	Y	1,4,10	3.9x2.4x1.1	3.0 x 1.0	**105.99**	**102.99**	**99.99**
158166CB	Scott Edwards	SGX-120L ⊕	20 x 4 w/ graphics	2400 or 9600	9V bat. or 5.0V@45mA	Y	1,2,5	3.1x1.9x0.8	2.6 x 1.1	**119.95**	**107.99**	**103.00**
281375CB	Matrix Orbital	VK204-25 ⊕	20 x 4	1200 - 19,200	5.0V @ 220mA	Y	1,4,10	3.8x2.4x1.0	2.8 x 0.8	**103.05**	**102.15**	**98.88**
136485CB	Scott Edwards	BPP-440L ⊕	40 x 4	1200 - 9600	5.0V @ 10mA	Y	1, 2,11	7.5x2.2x0.9	6.7 x 1.7	**149.95**	**142.45**	**136.49**
174182CB	Matrix Orbital	GLC24064 ⊕	40 x 8 w/ graphics	1200 - 19,200	5.0V @ 31mA	Y	1,3,6	7.1x2.6x0.7	5.2 x 1.5	**157.75**	**151.69**	**147.45**
281412CB	Matrix Orbital	GLK24064-25 ⊕	40 x 8 w/ graphics	9600 - 115,000	5.0V @ 20mA	Y	1,9	7.1x2.6x1.1	5.0 x 1.3	**192.99**	**192.00**	**183.30**

$114.49

*1. For power supply, recommend P/N 164101CB, pg 215.
2. Includes instruction codes for character generation, cursor control, printing, etc. (Examples for Stamps in PBASIC included.)
3. Manual and software included
4. Connect 16 modules using the same two wire interface
5. EEPROM stores text font, settings, and text screen
6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping, and auto scroll feature.
7. Connect 127 modules on the same 2-wire interface
8. 122 x 32 pixel graphics display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface
9. 240 x 64 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface
10. Built-in font provision for up to 8-user defined characters, software controlled brightness, use up to a 25-key keypad with one 10-key buffer, 6 general purpose outputs, horizontal or vertical bar graphs
11. LCD Serial Backpack® accepts RS232, CMOS or TTL signal.

VL 0.5" High 4-Digit Field Effect LCD Display

- Compatible with socket P/N 78641CB (2), pg 132
- Pin spacing: 0.1" centers
- 40-pin package (no connector required)
- Digital multimeters, thermometers, pressure gauges, timers, frequency counters, and clocks (12 or 24 hour format)

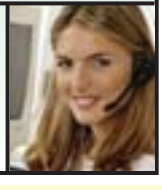




Part No.	Product No.	Size (W x H x D)	1	10	25
17110CB	402-DP-RC-S ⊕	2.0" x 1.2" x 0.1"	**$14.95**	**$13.49**	**$12.15**

Save Big! Special Values!

New Lower Prices = Orange
Sale Priced Items = Yellow
Exceptional Quantity Discount = Green



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Quantity SAVE

Parallel LCD Displays

• For detailed specification sheets, please visit **www.Jameco.com**. • 90-day Jameco warranty

EPSON EA-D16015AR NEW
• 16 x 1 characters
• 2.5 x 0.5" display
644025CB



Ampire AC-162A
• 16 x 2 characters • 2.5" x 0.7" display
171715CB



PicVue PVC160204A
• 16 x 2 characters • 2.6" x 0.7" display
277384CB



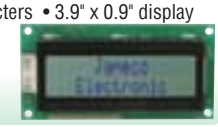
PicVue PVC160206QYL04
• 16 x 2 characters • 2.4" x 0.6" display
365982CB



PicVue PVC160205
• 16 x 2 characters • 3.9" x 0.9" display
277392CB



Optrex DCM16204N-LR-B
• 16 x 2 characters • 3.9" x 0.9" display
320098CB



Optrex DM16433
• 16 x 4 characters
• 2.4" x 1.0" display
210761CB



Samsung 9936
• 20 x 1 characters • 6.5" x 1.3" display
206615CB



Ampire AC-202A
• 20 x 2 characters • 3.3" x 0.7" display
171723CB



Optrex DM2026IANB-2Y-20
• 20 x 2 characters • 3.3" x 0.7" display
320071CB



Solomon LM1200SGR
• 24 x 2 characters • 3.7" x 0.7" display
320101CB



Solomon LM1030SGR
• 40 x 2 characters • 6.0" x 0.6" display
320039CB



Ocular OM4021-WGS-01
• 40 x 2 characters • 6.0" x 0.6" display
277325CB



Optrex 20-20191-2
• 40 x 2 characters • 5.8" x 0.5" display
215159CB



Emerging Display EW40420GLY
• 40 x 4 characters • 5.9" x 1.2" display
277253CB



PicVue PVG240602A
• 240 x 64 pixels • 5.2" x 1.5" display
Lower $$$
277350CB



Part No.	Manufacturer	Product No.	Characters x Lines	Character Font	Input Data	Input Voltage	Backlight	Notes*	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing 1	10	25
644025CB	Epson	EA-D16015AR	16 x 1	5 x 7	8-bit	5.0V @ 1.0mA	N	—	3.2 x 1.4 x 0.3	2.5 x 0.5	$9.95	$8.49	$7.95
171715CB	Ampire	AC-162A ⊕	16 x 2	5 x 8	8-bit	5.5V @ 1.5mA	Y	3, 5	3.4 x 1.2 x 0.5	2.5 x 0.7	13.99	13.35	12.65
277384CB	PicVue	PVC160204A	16 x 2	5 x 7	8-bit	5.0V @ 1.6mA	Y	—	3.3 x 1.4 x 0.5	2.6 x 0.7	13.99	11.99	9.99
618003CB	Hantronix	HDM716216H-5-3005	16 x 2	5 x 7	8-bit	5.0V @ 1.25mA	N	—	3.2 x 1.4 x 0.3	2.5 x 0.5	11.39	9.25	8.33
365982CB	PicVue	PVC160206QYL04	16 x 2	5 x 8	8-bit	5.0V @ 1.6mA	Y	—	3.3 x 1.2 x 0.5	2.4 x 0.63	12.69	10.79	9.45
277392CB	PicVue	PVC160205	16 x 2	5 x 8	4-bit or 8-bit	5.2V @ 1.2mA	Y	—	4.8 x 1.7 x 0.5	3.9 x 0.9	17.95	17.05	16.19
320098CB	Optrex	DCM16204N-LR-B ⊕	16 x 2	5 x 8	4-bit or 8-bit	5.0V @ 3.0mA	Y	5	3.2 x 1.6 x 0.6	2.4 x 0.6	14.55	13.00	11.30
210761CB	Optrex	DM16433	16 x 4	5 x 8	4-bit or 8-bit	6.5V @ 2.2mA	N	1, 5	3.4 x 2.4 x 0.3	2.4 x 1.0	22.95	19.95	18.69
206615CB	Samsung	9936	20 x 1	5 x 7	4-bit or 8-bit	5.5V @ 3.0mA	N	2	7.2 x 1.6 x 0.4	6.5 x 1.3	~~$19.99~~ 17.99	15.29	11.45
171723CB	Ampire	AC-202A ⊕	20 x 2	5 x 8	8-bit	5.0V @ 1.7mA	Y	3, 5	4.6 x 1.5 x 0.4	3.3 x 0.7	24.95	22.49	20.25
320071CB	Optrex	DM2026IANB-2Y-20 ⊕	20 x 2	5 x 8	4-bit or 8-bit	5.0V @ 3.0mA	Y	5	4.6 x 1.5 x 0.6	3.3 x 0.7	19.89	17.89	15.59
320101CB	Solomon	LM1200SGR ⊕	24 x 2	5 x 7	8-bit	5.0V @ 3.0mA	N	5	4.6 x 1.4 x 0.4	3.7 x 0.7	15.59	13.35	11.99
320039CB	Solomon	LM1030SGR ⊕	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	N	5	7.2 x 1.2 x 0.3	6.0 x 0.6	22.15	18.83	14.12
277325CB	Ocular	OM4021-WGS-01	40 x 2	5 x 8	8-bit	5.0V @ 2.5mA	Y	5	7.2 x 1.3 x 0.6	6.0 x 0.6	~~$24.95~~ 22.45	19.13	14.34
215159CB	Optrex	20-20191-2	40 x 2	5 x 8	8-bit	5.5V @ 5mA	Y	4	7.2 x 1.4 x 0.4	5.8 x 0.5	29.99	26.90	24.20
277253CB	Emerging Display	EW40420GLY✪	40 x 4	5 x 7	8-bit	4.0V @ 10mA	Y	—	7.5 x 2.1 x 0.6	5.9 x 1.2	42.39	38.79	34.95
652332CB	Seiko Inst.	DMC4024	40 x 4	5 x 8	8-bit	5.0V @ 12mA	N	—	7.5 x 2.1 x 0.4	5.5 x 0.9	39.95	34.95	28.95
277350CB	PicVue	PVG240602A	240 x 64 pixels	240 x 64	8-bit	5.0V @ 6.0mA	N	6	7.1 x 2.6 x 0.4	5.2 x 1.5	~~$61.95~~ 55.75	51.09	38.32

*1. Control LSI HD44780 or equivalent and column driver MSM5259 or equivalent; 2. Built-in controller HD44780; 3. Controller KS0066U or equivalent; 4. Column driver: KS0063B; 5. For power supply: recommend P/N 164101CB, pg 215); 6. Dot Graphic LCD display

✪ Blue Part No. = Limited Quantity Available

0.6" High 3½- & 4½-Digit LCD Digital Panel Meters

- Input Ranges: 200mV, 20V, 200V, 500V • Input impedance: >100MΩ
- Accuracy: ±0.5% • Size: 2.7"W x 1.7"H • Automatic polarity indication
- Supply voltage: 8-12VDC (recommend 9V battery P/N 151095CB, pg 225)

146835CB: Backlit display **Includes:** Bezel



108388CB



175951CB



146835CB



123140CB

Part No.	Cross Ref. No.	Digits	1	10	25
108388CB	PM-428 ⊕	3½	$12.95	$11.95	$10.95
175951CB	PM-128 ⊕	3½	12.95	11.95	10.95
146835CB	PM-188BL ⊕	3½	19.95	17.99	16.19
123140CB	PM-328 ⊕	4½	27.95	24.95	22.49

Analog Panel Meters

- Includes mounting hardware • Size: **A:** 2.4"W x 1.8"H x 1.3"D
- **316507CB:** includes current shunt **B:** 2.8"W x 2.4"H x 1.4"D

Panel-Mount Oscilloscope on Page 265

Part No.	Product No.	Measurement Range	Size	1	4
316603CB	AVM6015 ⊕	0 – 15VDC	A	$9.29	$7.85
316671CB	AVM7015 ⊕	0 – 15VDC	B	8.79	7.49
316638CB	AVM6030 ⊕	0 – 30VDC	A	8.79	7.49
316654CB	AVM7030 ⊕	0 – 30VDC	B	8.79	7.49
316718CB	AVM60150 ⊕	0 – 150VAC	A	8.79	7.49
316785CB	AVM60300 ⊕	0 – 300VAC	A	8.79	7.49
315301CB	AIM60005 ⊕	0 – 50uA	A	9.29	7.85
316523CB	AIM6050 ⊕	0 – 50mA	A	8.79	7.49
316486CB	AIM60100 ⊕	0 – 100mA	A	8.99	7.65
316558CB	AIM60500 ⊕	0 – 500mA	A	8.99	7.65
316566CB	AIM60500 ⊕	0 – 5A	A	8.79	7.49
316582CB	AIM705000 ⊕	0 – 5A	B	8.79	7.49
316494CB	AIM6010A ⊕	0 – 10A	A	8.79	7.49
316507CB	AIM6030A ⊕	0 – 30A	A	8.79	7.49



316603CB



316523CB

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Color Code Legend: New | Sale | Lower$ | QtySave

Boxed Processors



Desktop Processors

NEW

Part No.	Product Name	Product No.	Speed (GHz)	FSB (MHz)	Cache	Package	1	10
427506CB	Celeron	BX80546RE2267C ♠	2.26	533	256kB	mPGA-478	$97.15	$90.64
427514CB	Celeron	BX80546RE2533C ♠	2.53	533	256kB	mPGA-478	118.09	110.20
427522CB	Celeron	BX80547RE2933C ♠	2.93	533	256kB	LGA775	166.25	155.14
427549CB	Celeron	BX80547RE3066C ♠	3.06	533	256kB	LGA775	194.15	181.21
427581CB	Pentium® 4	BX80547PE2667E ♠	2.6	533	1MB	LGA775	195.75	182.67
427590CB	Pentium® 4	BX80547PG3000ET ♠	3.0	800	1MB	LGA775	312.15	291.34
283274CB	Pentium® 4†*	BX80546PG3200E ♠	3.2	800	1MB	mPGA-478	311.59	304.99
427602CB	Pentium® 4	BX80547PG3200EJ ♠	3.2	800	1MB	LGA775	343.19	320.33
427629CB	Pentium® 4	BX80547PG3400EJ ♠	3.4	800	1MB	LGA775	434.85	405.84
427645CB	Pentium® 4	BX80547PG3800EJ ♠	3.8	800	1MB	LGA775	986.15	920.41
427661CB	Pentium® M	BXM80536GC1600F ♠	1.6	400	2MB	uFCPGA478	312.15	291.34
427670CB	Pentium® M	BXM80536GC1700F ♠	1.7	400	2MB	uFCPGA478	371.25	346.47
427688CB	Pentium® M	BXM80536GC1800F ♠	1.8	400	2MB	uFCPGA478	451.89	421.79
427696CB	Pentium® M	BXM80536GC2000F ♠	2.0	400	2MB	uFCPGA478	647.65	604.45
427856CB	Xeon®	BXM80546KG2800EA ♠	2.8	800	1MB	PPGA604	337.05	314.57
427750CB	Xeon®	BXM80546KG3000EU ♠	3.0	800	1MB	PPGA604	422.45	394.25
427872CB	Xeon®	BXM80546KG3200EA ♠	3.2	800	1MB	PPGA604	503.19	469.64
427881CB	Xeon®	BXM80546KG3400EA ♠	3.4	800	1MB	PPGA604	703.49	656.61
427805CB	Xeon®	BXM80546KG3400EP ♠	3.4	800	1MB	PPGA604	703.49	656.61
427830CB	Xeon®	BXM80546KG3600EP ♠	3.6	800	1MB	PPGA604	1,052.95	982.76
427717CB	Xeon® MP	BXM80532KC2000E ♠	2.0	800	512kB L3-1MB	PPGA604	1,312.25	1,224.79

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD. † Includes active heat sink; * Hyper-threading technology

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/IntelCPUs

Embedded Processors

Part No.	Product Name	Product No.	Speed (MHz)	FSB (MHz)	Cache	Package	1	10
344241CB	Pentium	A8050266166	166	66	—	SPGA	$79.45	$62.69
344276CB	Pentium MMX	FV80503CSM66166	166	66	—	PPGA-296	77.99	61.55
344268CB	Pentium MMX	FV80503CSM66266	266	66	—	PPGA-296	80.89	71.09
344313CB	Pentium II	KC80524KX266256	266	66	256kB	BGA1	103.45	90.89
344284CB	Pentium II	KC80524KX333256	333	66	256kB	BGA1	103.45	90.89
344452CB	Pentium III	KC80526LY400256	400	100	256kB	BGA2	117.55	103.29
344444CB	Pentium III	KC80526LY500256	500	100	256kB	BGA2	133.25	117.09
344401CB	Pentium III	RB80526PY600256	600	100	256kB	FC-PGA	117.55	103.29
344436CB	Pentium III	KC80526GY850256	850	100	256kB	BGA2	107.39	100.95
344428CB	Pentium III	RB80526PY700256	700	100	256kB	FC-PGA	117.55	103.29
344410CB	Pentium III	RB80526PZ001256	1000	133	256kB	FC-PGA	133.25	117.09
344575CB	Pentium III	RK80530KZ012512	1250	133	512kB	FC-PGA2	230.19	218.69
344516CB	Pentium 4	RK80532PC041512	2000	400	512kB	mPGA-478	238.79	224.45
344559CB	Pentium 4	RK80532PE056512	2400	533	512kB	mPGA-478	183.99	181.55
344305CB	Celeron	FV80524RX300128	300	66	128kB	PGA-370	84.49	66.69
344348CB	Celeron	KC80526LY400128	400	100	128kB	BGA2	81.25	64.15
344330CB	Celeron	FV80524RX433128	433	66	128kB	PPGA	73.35	64.45
344399CB	Celeron	RB80526RX733128	733	66	256kB	FC-PGA	72.19	56.99
344381CB	Celeron	RB80526RY850128	850	100	128kB	FC-PGA	72.19	56.99
344356CB	Celeron	RK80530RY009256	1200	100	256kB	FC-PGA2	78.39	68.89
344461CB	Celeron	RK80532RC041128	2000	400	128kB	mPGA-478	94.05	91.79
344479CB	Celeron	RK80532RC060128	2500	400	128kB	mPGA-478	117.55	103.29

AMD Processors & Coolers

NEW ON THE WEB

AMD CPUs

- Available in the Athlon, Sempron, Opteron
- Speed ranges from 650MHz to 2.6GHz

Foxconn CPU Coolers

- For AMD Athlon and Opteron CPUs





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See Our Complete CPU & Cooler Offering at www.Jameco.com/Prod/AMDCPUs

Hard Disk Drives



3.5" LP UATA/100 Disk Drives

Part No.	Product No.	Capacity	Interface	RPM	Seek (ms)	Cache (MB)	Mfr. Warranty	1	5
453798CB	WD3200JB ♠	320GB	UATA/150	7200	8.9	8	3 yrs.	$271.65	$257.32
319441CB	WD2500JB ♠	250GB	UATA/100	7200	8.9	8	3 yrs	228.55	217.15
319450CB	WD2000JB ♠	200GB	UATA/100	7200	8.9	8	3 yrs	151.69	144.35
319468CB	WD1600JB ♠	160GB	UATA/100	7200	8.9	8	3 yrs	129.99	123.59
319521CB	WD1600BB ♠	160GB	UATA/100	7200	8.9	2	1 yr	117.85	111.95
319476CB	WD1200JB ♠	120GB	UATA/100	7200	8.9	8	3 yrs	115.15	109.35
319530CB	WD1200BB ♠	120GB	UATA/100	7200	8.9	2	1 yr	106.99	101.65
319484CB	WD800JB ♠	80GB	UATA/100	7200	8.9	8	3 yrs	89.39	84.99
319548CB	WD800BB ♠	80GB	UATA/100	7200	8.9	2	1 yr	79.89	75.95
319492CB	WD400JB ♠✪	40GB	UATA/100	7200	8.9	8	3 yrs	75.85	72.05
319556CB	WD400BB ♠	40GB	UATA/100	7200	8.9	2	1 yr	68.99	65.69

3.5" SATA/150 Disk Drives

Part No.	Product No.	Capacity	Interface	RPM	Seek (ms)	Cache (MB)	Mfr. Warranty	1	5
453801CB	WD3200SD ♠	320GB	SATA/150	7200	8.9	8	3 yrs.	$301.85	$285.91
453819CB	WD3000JD ♠	300GB	SATA/150	7200	8.9	8	3 yrs.	265.62	251.64
319337CB	WD2500SD ♠	250GB	SATA/150	7200	8.9	8	3 yrs	253.15	240.55
319396CB	WD2500JD ♠	250GB	SATA/150	7200	8.9	8	3 yrs	239.69	227.75
319409CB	WD2000JD ♠	200GB	SATA/150	7200	8.9	8	3 yrs	166.59	158.65
319417CB	WD1600JD ♠	160GB	SATA/150	7200	8.9	8	3 yrs	135.49	128.99
319353CB	WE1200SD ♠	120GB	SATA/150	7200	8.9	8	3 yrs	132.75	126.19
319433CB	WD800JD ♠	80GB	SATA/150	7200	8.9	8	3 yrs	93.45	88.79
319311CB	WD740GD ♠	74GB	SATA/150	10,000	4.5	8	5 yrs	260.19	247.19
319329CB	WD360GD ♠	36.7GB	SATA/150	10,000	5.2	8	5 yrs	153.25	145.65

2.5" LP EIDE/100 Disk Drives

Part No.	Product No.	Capacity	Interface	RPM	Seek (ms)	Cache (MB)	Mfr. Warranty	1	5
319716CB	WD800UE ♠	80GB	EIDE/100	5400	12	2	1 yr	$190.25	$180.75
319687CB	WD800VE ♠	80GB	EIDE/100	5400	12	8	1 yr	196.25	186.41
319732CB	WD400UE ♠	40GB	EIDE/100	5400	12	2	1 yr	99.69	94.71
319708CB	WD400VE ♠	40GB	EIDE/100	5400	12	8	1 yr	112.25	106.65

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD. ✪ Blue Part No. = Limited Qty Available

To Find Additional Hard Drives, Visit www.Jameco.com/Prod/WesternDigital

Legacy 3.5" Hard Disk Drives*

Part No.	Capacity	Description	Warranty	1	10
151044CB	4.3GB♣	EIDE/Ultra DMA33	1 year	$49.95	$45.95
146333CB	2.5GB♣	EIDE/FAST ATA-2	1 year	33.29	29.95
124978CB	1.27GB♣	IDE	1 year	29.95	26.95
118949CB	850MB♣	IDE	1 year	49.95	47.45
115764CB	425MB♣	IDE	3 mos.	45.95	43.65

* Manufacturers may vary & capacity may exceed specification ♣ Pull = Extra Savings

Legacy Intel® Desktop Processors

Part No.	Description	Speed (MHz)	Package	1	10
311204CB	Intel Celeron® processor♣	800	FCPGA-370	$99.95	$94.95
311212CB	Intel Celeron® processor♣	566	FCPGA-370	47.79	45.39
183118CB	Intel Pentium® III processor	600	Slot 1	99.95	96.43
183100CB	Intel Pentium® II processor	400	Slot 1	95.99	71.99
151651CB	Intel Pentium® II processor	300	Slot 1	89.95	85.45
190060CB	Intel Pentium® II w/ heat sink	233	Slot 1	89.95	79.95
150501CB	Intel Pentium MMX® processor	233	376/PGA	69.95	62.95
140054CB	Intel Pentium MMX® processor♣	200	376/PGA	49.95	37.45
130841CB	Intel Pentium® processor	166	296/PGA	55.95	41.96
130833CB	Intel Pentium® processor	133	296/PGA	39.95	35.95
118421CB	Intel 486DX2 processor♣	66	168/PGA	19.95	16.96

♣ Pull = Extra Savings

Pocket PC Reference Book



Sequoia Publishing Pocket PCRef 13th edition includes troubleshooting tools, wiring diagrams, connectors and pin outs, commands for WinXP and UNIX, CDROM drive configuration data, hard drive specifications, PC hardware, ASCII numbers, CPU processor specifications and more. (1088 pages, 2004)

Part No.	Description	Size	Price
355231CB	Pocket PCRef	4" x 6"	$15.15

For compatible ATX power supplies, see page 246

Memory Modules

SDRAM and DDR Memory Modules

Lower $$$

Part No.	Product No.	Capacity	Description	Config.	Pins	1	10
354634CB	32464468-P♠	128MB	SDR133	16M x 64	168	$30.95	$28.95
354642CB	32474468-P♠	256MB	SDR133	32M x 64	168	53.95	50.95
354651CB	32484588-P♠	512MB	SDR133	64M x 64	168	102.95	97.95
354669CB	35122468-P♠	128MB	DDR PC2100	16M x 64	184	27.95	25.95
354677CB	35132588-P♠	256MB	DDR PC2100	32M x 64	184	~~$50.49~~ 47.95	45.95
354685CB	35142588-P♠	512MB	DDR PC2100	64M x 64	184	87.95	84.95
354693CB	35124468-PA♠	128MB	DDR PC2700	16M x 64	184	34.95	32.95
354706CB	35134588-PB♠	256MB	DDR PC2700	32M x 64	184	45.95	42.95
354714CB	35144588-PA♠	512MB	DDR PC2700	64M x 64	184	92.95	88.95
354722CB	35154680♠	1GB	DDR PC2700	128M x 64	184	222.95	211.95
354731CB	35125468-P♠	128MB	DDR PC3200	16M x 64	184	36.95	34.95
354749CB	35135588-PB♠	256MB	DDR PC3200	32M x 64	184	49.95	47.95
354757CB	35145588-PA♠	512MB	DDR PC3200	64M x 64	184	92.95	87.95
354765CB	35155680♠	1GB	DDR PC3200	128M x 64	184	~~$299.99~~ 284.95	270.95

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Legacy Memory Modules

Part No.	Cross Ref. No.	Capacity	Description	Config.	Pins	1	10
148419CB	16MBX64SDRAM	128MB	10ns Syn. DRAM DIMM	16M x 64	168	$65.95	$59.95
148401CB	8MBX64SDRAM	64MB	10ns Syn. DRAM DIMM	8M x 64	168	28.95	26.95
148451CB	JEED07264	64MB	60ns SIMM EDO	16M x 32	72	30.95	28.95
148398CB	4MBX64SDRAM	32MB	10ns Syn. DRAM DIMM	4M x 64	168	16.95	15.95
148460CB	8MBX36-60	32MB	60ns SIMM	8M x 36	72	40.95	37.95
148443CB	JEEDO7232	32MB	60ns SIMM EDO	8M x 32	72	43.95	39.95
75184CB	P364000-XX-6	16MB	60ns SIMM	4M x 36	72	21.95	20.95
130711CB	JEEDO7216	16MB	60ns SIMM EDO	4M x 32	72	12.95	11.95
75096CB	P362000-XX-6	8MB	60ns SIMM	2M x 36	72	21.95	19.95
130729CB	JEEDO7208	8MB	60ns SIMM EDO	2M x 32	72	7.95	5.95
285667CB	HB56U232	8MB	70ns SIMM	2M x 36	72	8.95	6.95
75133CB	P361000-XX-6	4MB	60ns SIMM	1M x 36	72	12.95	11.95
41751CB	421000A9B-70	1MB	70ns SIMM	1M x 9	30	4.95	3.95

Kingston Memory Modules

NEW

Part No.	Product No.	Capacity	Description	Config.	Pins	1	10
639541CB	KVR533D2N4/1G♠	1GB	DDR2-533	128M x 64	240	$134.95	$129.95
639533CB	KVR533D2N4/512♠	512MB	DDR2-533	64M x 64	240	68.95	66.95
639525CB	KVR533D2N4/256♠	256MB	DDR2-533	32M x 64	240	40.95	39.95
284998CB	KVR400X64C25/512♠	512MB	DDR400	64M x 64	184	~~$135.69~~ 70.95	67.95
639411CB	KVR400X64C3A/256♠	256MB	DDR400	32M x 64	184	37.95	35.95
639517CB	KVR333S4R25/1G♠	1024MB	DDR333	128M x 72	184	306.95	293.95
639470CB	KVR333X64SC25/512♠	512MB	DDR333	64M x 64	200	78.95	74.95
639461CB	KVR333X64C25/512♠	512MB	DDR333	64M x 64	184	70.95	67.95
639402CB	KVR333X64C25/256♠	256MB	DDR333	32M x 64	184	36.95	34.95
639437CB	KVR333X64SC25/256♠	256MB	DDR333	32M x 64	200	36.95	34.95
639509CB	KVR266X72RC25/1024♠	1024MB	DDR266	128MB x 72	184	229.95	220.95
639496CB	KVR266X72C25/512♠	512MB	DDR266	64M x 72	184	78.95	75.95
639488CB	KVR26672RC25/512♠	512MB	DDR266	64M x 72	184	111.95	106.95
285026CB	KVR266X64C25/512♠	512MB	DDR266	64M x 64	184	~~$114.15~~ 70.95	67.95
639445CB	KVR266X72RC25/256♠	256MB	DDR266	32M x 72	184	66.95	63.95
639453CB	KVR26672C25/256♠	256MB	DDR266	32M x 72	184	41.95	39.95
639429CB	KVR266X64SC25/256♠	256MB	DDR266	32M x 64	200	36.95	34.95
285018CB	KVR266X64C25/256♠	256MB	DDR266	32M x 64	184	~~$69.95~~ 36.95	35.95
639390CB	KVR133X72C3/512♠	512MB	PC133	64M x 72	168	120.95	115.95
639381CB	KVR133X72RC3/512♠	512MB	PC133	64M x 72	168	163.95	156.95
639357CB	KVR133X64C2/512♠	512MB	PC133	64M x 64	168	137.95	131.95
639365CB	KVR133X64C3/512♠	512MB	PC133	64M x 64	168	105.95	99.95
639373CB	KVR133X64SC3/512♠	512MB	PC133	64M x 64	144	131.95	125.95
639331CB	KVR133X72C3/256♠	256MB	PC133	32M x 72	168	61.95	59.95
639306CB	KVR133X72RC3/256♠	256MB	PC133	32M x 72	168	73.95	70.95
285042CB	KVR133X64C3/256♠	256MB	PC133	32M x 64	168	~~$68.29~~ 53.95	51.95
639285CB	KVR133X64SC3/256♠	256MB	PC133	32M x 64	144	53.95	51.95
639269CB	KVR133X64C2/256♠	256MB	PC133	32M x 64	168	70.95	67.95
639277CB	KVR133X64C3L/256♠	256MB	PC133	32M x 64	168	53.95	51.95
285034CB	KVR133X64C3/128♠	128MB	PC133	16M x 64	168	~~$37.95~~ 28.95	27.95
639226CB	KVR133X72C3/128♠	128MB	PC133	16M x 72	168	40.95	38.95
639171CB	KVR133X64C2/128♠	128MB	PC133	16M x 64	168	36.95	35.95
639154CB	KVR133X64C3L/128♠	128MB	PC133	16M x 64	168	28.95	27.95
639189CB	KVR133X64C3SS/128♠	128MB	PC133	16M x 64	168	28.95	27.95
639138CB	KVR133X64C3/64♠	64MB	PC133	8M x 64	168	18.95	17.95
639349CB	KVR100X64C2/512♠	512MB	PC100	64M x 64	168	109.95	105.95
639322CB	KVR100X72C2/256♠	256MB	PC100	32M x 72	168	79.95	76.95
639314CB	KVR10072C3/256♠	256MB	PC100	32M x 72	168	79.95	76.95
639234CB	KVR100X72RC2/256♠	256MB	PC100	32M x 72	168	93.95	89.95
639251CB	KVR100X64C3/256♠	256MB	PC100	32M x 64	168	70.95	67.95
639242CB	KVR100X64C2/256♠	256MB	PC100	32M x 64	168	70.95	67.95
639293CB	KVR100X64SC2/256♠	256MB	PC100	32M x 64	144	125.95	117.95
639218CB	KVR100X72C2/128♠	128MB	PC100	16M x 72	168	41.95	39.95
639162CB	KVR100X64SC2L/128♠	128MB	PC100	16M x 64	144	36.95	35.95
639200CB	KVR100X64C2/128♠	128MB	PC100	16M x 64	144	36.95	34.95
639197CB	KVR100X64C2/128♠	128MB	PC100	16M x 64	168	36.95	34.95
639120CB	KVR100X64C2/64♠	64MB	PC100	8M x 64	168	19.95	18.95
639146CB	KVR100X64SC2/64♠	64MB	PC100	8M x 64	144	28.95	27.95

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Hard Drives

- 2.5" and 3.5" heights available

Hitachi Travelstar 20GB to 80GB
Hitachi Deskstar 80GB to 400GB
Seagate Cheetah 36GB to 146GB
Seagate Barracuda 80GB to 400GB
Maxtor DiamondMax 80GB to 250GB
Fujitsu 20GB to 100GB
Toshiba 20GB to 80GB
Samsung SpinPoint 40GB to 120GB
Also available Seagate TapeStor and Data Cartridges

NEW ON THE WEB



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Parallel Port Complete



Lakeview Research Hands-on approach to PCs and their connections to parallel ports. This book offers many tips on how to get the most out of your parallel port. Enhanced (EPP) and extended capabilities (ECP) types are covered. (343 pages, 1999) **Includes:** 3.5" diskette

• Windows® 3.1/95 • Selecting cables • PC to PC links

Part No.	Description	Size	Wt.	Price
138261CB	Parallel Port Complete	7.0" x 10"	1.4 lbs.	$32.89

Serial Port Complete



Lakeview Research Provides you with everything you need to design, program, install and troubleshoot the links you set up. (306 pages, 1998)

Includes: 3.5" diskette

Part No.	Description	Size	Wt.	Price
154771CB	Serial Port Complete	7.0" x 10"	1.4 lbs.	$39.95

DDR2, DDR, SD and EDO Memory Modules

- Adaptec 168-pin DIMM 64MB - 512MB
- DDR2 400/533/667 240-pin DIMM
- DDR 266/333/400/433 184-pin DIMM
- RDRAM 184-pin 125MB - 512MB
- DRAM SIMM
- HP DesignJet, LaserJet, Business InkJet 32MB - 512MB
- SDRAM PC100/133 168-pin DIMM
- Cisco Router SDRAM 100-pin DIMM
- Apple DDR & SDRAM 144 & 168-pin DIMM 256MB - 1.25GB



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See Our Memory Offering at www.Jameco.com/Prod/ComputerMemory

Processor-Based Motherboards†


345130CB


426757CB


426811CB

NEW


427047CB


426829CB


285114CB

Jameco Part No.	Mfr.	Product No.	Board Style	Processor Support	FSB (MHz)	Chipset	On-Board Graphics	Memory Type	On-Board Audio	USB	HDD Support	On-Board LAN	Wt. (lbs.)	Warranty (Yrs.)	Pricing 1	Pricing 10
426976CB	Intel	SE7210TP1♠	ATX	P4	800	iE7210	Yes	DDR400/333	No	2.0	SATA	1000Mb	3.0	3	$315.25	$294.25
345560CB	Intel	BOXD915GAVL♠	ATX	P4	800/533	i915G	Yes	DDR400/333	Yes	2.0	SATA	100Mb	2.9	3	149.45	141.99
345130CB	Giga-Byte	GA-8IPE1000-G♠	ATX	P4	800/533/400	i865PE	No	DDR400/333/266	Yes	2.0	SATA	1000Mb	3.3	3	131.55	106.75
345050CB	Giga-Byte	GA-8S648FXP-RZ♠	ATX	P4	800/533/400	648FX/964L	No	DDR400/333/266	Yes	2.0	SATA	1000Mb	2.6	3	76.55	72.85
426757CB	Asus	P4C800-E DX♠	ATX	P4/Cel	800	i875P	No	DDR400/333/266	Yes	2.0	SATA	1000Mb	3.0	3	263.99	246.40
426781CB	Asus	P4P800SE♠	ATX	P4/Cel	800	i865PE, iCH5R	No	DDR400/333/266	Yes	2.0	SATA	1000Mb	3.0	3	138.29	129.06
426811CB	Asus	P5GD1♠	ATX	P4/Cel	800/533	i915P. iCH6R	No	DDR400/333	Yes	2.0	SATA	1000Mb	3.0	3	156.85	146.40
427055CB	SuperMicro	P8SAA-0♠	ATX	P4/Cel	800/533	i925x	No	DDR2 533/400	Yes	2.0	SATA/EIDE	1000Mb	3.0	3	287.35	268.18
427215CB	Tyan	S5112G2NR♠	ATX	P4/Cel	800/533	iE7210	Yes	DDR400/333	No	2.0	SATA	1000Mb	3.0	3	333.95	311.66
426837CB	Asus	PC-DL♠	ATX	Dual Xeon	533	i875P	No	DDR333	Yes	2.0	SATA	1000Mb	3.0	3	287.35	268.18
427127CB	Tyan	S2721GN-533♠	ATX	Dual Xeon	533	iE7501	Yes	DDR266/200	No	2.0	ATA	1000Mb	3.0	3	588.65	549.39
427047CB	Intel	SE7520JR2SCSID1♠	ATX	Dual Xeon	800	iE7520	Yes	DDR333/266	No	2.0	SATA	1000Mb	3.0	3	944.25	881.30
427080CB	SuperMicro	X6DAE-G2-0♠	ATX	Dual Xeon	800	iE7525	No	DDR2 400	Yes	2.0	SATA/EIDE	1000Mb	3.0	3	628.95	587.05
345551CB	Intel	BOXD915GAGL♠	µATX	P4	800/533	i915G	Yes	DDR400/333	Yes	2.0	SATA	100Mb	2.7	3	141.85	136.59
426829CB	Asus	P5S800-VM♠	µATX	P4	800/533	SiS 661FX, 964	No	DDR400/333/266	Yes	2.0	SATA	100Mb	2.7	3	89.35	83.36
345172CB	Giga-Byte	GA-8I915G-MF♠	µATX	P4	800/533/400	i915G/ICH6	Yes	DDR400/333	Yes	2.0	SATA	1000Mb	3.8	3	127.65	124.99
285114CB	Intel	BOXD845GVSRL♠	µATX	P4/CEL	533/400	i845GV	Yes	DDR333/266	Yes	2.0	ATA	100Mb	2.1	3	79.95	74.95
427039CB	Intel	SE7520BD2V♠	SSI	Dual Xeon	800	iE7520	Yes	DDR333/266	No	2.0	SATA	1000Mb	—	3	672.45	627.62

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.
† For complete specs see www.Jameco.com

To Find Additional Products In This Series, Visit www.Jameco.com/Prod/Motherboards

CPU Heat Sinks and Fans*

Part No.	Description	Size (H" x W" x D")	Approvals	1	10
206244CB	Heat sink w/ dual fan slot (SECC 2)	5.25 x 1.95 x 1.30	CE	$12.95	$11.65
319951CB	Heat sink w/ fan for PIII slot 1 ⊕	2.0 x 4.9 x 8.5	—	9.85	8.85
181278CB	Heat sink w/ fan for socket 7 (ATX) ⊕	2.12 x 2.05 x 1.67	UL/CE/CSA	8.49	7.65
190545CB	Heat sink w/ fan for socket 370 ⊕	2.45 x 2.42 x 2.10	—	13.55	12.19
645482CB	Heat sink w/ fan for socket 370 ⊕	2.04 x 2.04 x 1.06	UL/CE	10.95	9.49
319185CB	Heat sink w/ fan for socket 7 & 370	1.38 x 2.36 x 2.59	—	7.65	7.25
129226CB	Heat sink for 486 CPU – adhesive back ⊕	1.70 x 1.63 x 0.36	—	2.95	2.65
191636CB	Heat sink w/ fan for 486 CPU w/ clip	1.85 x 1.92 x 0.72	UL/CE/TUV	5.95	5.36
174115CB	Heat sink w/ fan for 486 CPU w/ snap†	1.93 x 1.96 x 0.93	UL/CU	3.95	2.96
309340CB	Heat sink w/ fan for socket 7 (AT/ATX)	1.57 x 2.03 x 2.07	—	8.99	8.59
308742CB	Heat sink w/ fan for 586 CPU w/ snap†	0.73 x 2.05 x 1.94	—	11.39	10.25

† 14" lead wires * See website for photos

Mounting Kits


180857CB

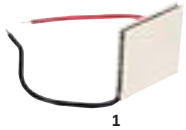

117217CB


32088CB

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
180857CB	HDB35 ⊕	3.5" hard drive mount kit (short)	0.2	$3.89	$3.49	$3.15
117217CB	HDMK ⊕	3.5" kit (w/ black & gray faceplates)	0.6	5.75	5.18	4.66
32088CB	SMK	3.5" to 5.25" mounting kit (beige faceplate)	0.5	5.89	5.29	4.79

Thermoelectric Cooler Chips

- Cools down to -30˚C (dependent on external temp.)
- Heat or cool by changing direction of current
- 20 AWG wire leads, 4" long • Temperature = 60˚C max.


172048CB

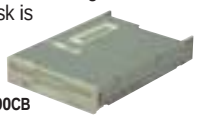
Part No.	Cross Ref. No.	Volts	Watts	Current	Couples*	Size (LxWxT)	1	10
172030CB	TEC30 ⊕	8.4VDC max.	19.7	4A max.	71	1.2" x 1.2" x 0.2"	$19.95	$17.95
172048CB	TEC40 ⊕	15.4VDC max.	35.6	4A max.	127	1.6" x 1.6" x 0.2"	25.95	22.95
172056CB	TEC50 ⊕	15.4VDC max.	79.1	8A max.	127	2.0" x 2.0" x 0.2"	33.75	29.35

*Couples: # of P&N type semiconductor pairs connected electrically in series

1.44MB 3.5" Internal Floppy Disk Drives

- IBM PC/XT and higher compatibles
- Compatible with DOS versions 3.3 or higher
- Automatically determines if disk is high or low density
- Size: 4.0"W x 5.9"D x 1.0"H
- Weight: 1.4 lbs.

♣ Pull = Extra Savings


115490CB

Part No.	Product No.	Mfr.	Color	1	10
115490CB	FD235	TEAC	Beige	$19.95	$17.95
189165CB	— ♣	Varies	Beige	10.95	9.95
249367CB	MPF920-Z	Sony	Beige	16.95	15.99
453667CB	MPF920-2 ♠	Sony	Beige	8.45	8.00
453683CB	MFB820 ♠	Sony	Black	28.35	26.81
453704CB	FD-05HF8630 ♠	TEAC	Black	58.95	55.81

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Floppy Drives



- 3.5" • 1.44MB
- Beige and black available
- Mitsumi, Teac and Sony Drives are available
- Also available: Floppy drive mounting kits

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Floppy Drive Offering at www.Jameco.com/Prod/FloppyDrives

Order Anytime, Day or Night

Our friendly sales department will take your order 24x7x365 by phone, fax, web or email.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

ZIP Drives

NEW ON THE WEB



- Iomega 250MB and 750MB internal dives available
- White and black available
- 250MB disks

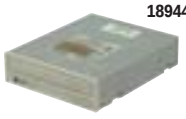
These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete ZIP Drive Offering at www.Jameco.com/Prod/ZIPDrives

Internal Optical Drives

- 5.25" half-height design
- One-year warranty
- Manufacturer varies

189448CB



Includes: Audio cable

CD-ROM

Part No.	Speed	Buffer	kB/sec.	1	10
345009CB	52x ♠	128kB	7800	$25.35	$24.09
189448CB	56x	128kB	8400	29.95	28.45

CD-RW/DVD

- 52x read/write; 32x rewrite; 16x DVD

Part No.	Speed	Buffer	kB/sec.	1	10
345017CB	52x ♠	2MB	7800	$52.15	$50.75

DVD+/-RW

- 48x CD read; 16x DVD write; 8x and 6x DVD rewrite

Part No.	Speed	Buffer	kB/sec.	1	10
345025CB	48x ♠	2MB	7200	$96.25	$91.45

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Find Additional Products In This Series at www.Jameco.com/Prod/OpticalDrives

Internal Optical Drives

QSI, Sony, BenQ, LiteOn, Teac, AOpen, LG, NuTech and Pioneer

CD-R

- Speeds up to 52x

CD-RW

- Speeds up to 52x32x52



CD-RW +DVD

- Speeds up to 52x32x52 +16

DVD-ROM

- Speeds up to 16x

DVD-RW

- Speeds up to 24x



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Internal Optical Drives Offering at www.Jameco.com/Prod/OpticalDrives

CD-ROM Audio Cables



127546CB



168612CB

Part No.	Connection from Sound Blaster to	Length	1	10	50
127546CB	Sony/MPC2 ⊕	18"	$2.95	$2.65	$2.29
168612CB	Universal ⊕	18"	4.95	4.45	3.99

Removable IDE HDD Enclosures For 3.5" Drive Bay

- For quick drive swapping
- Power LEDs
- Keylock for security

196040CB:
- Size: 5.8"W x 8.5"D x 1.5"H
- Weight: 1.2 lbs.

196031CB:
- Size: 4.1"W x 7.5"D x 1.6"H
- Weight: 0.8 lbs.

319775CB:
- Size: 5.8"W x 8.9"D x 1.6"H
- Weight: 1.32 lbs.



196040CB

Includes: Inner cable with IDE connector

Part No.	Description	1	10	25
196040CB	IDE encl. w/ insert ⊕	$27.95	$20.95	$14.69
319775CB	IDE encl. w/ insert ⊕	15.55	14.79	14.05
196031CB	Insert for 196040CB ⊕	19.95	17.95	16.16

Hard Drive Enclosures

- USB 2.0 & 1.1 compatible
- Plug & play
- Hard drive and CD-ROM

Bytecc 2.5" and 3.5"

Coolmax 2.5", 3.5" & 5.25"

Zynet 3.5" and 5.25"

Vantec 2.5" and 3.5"

Kingbyte 2.5"

NEW ON THE WEB





These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Hard Drive Enclosure Offering at www.Jameco.com/Prod/HDCases

DVD Video Recorder with 160GB Hard Drive



- HDD video recording, HDD disk backup and disc to HDD copy functions
- Recordable media: DVD-R/DVD-RW/CD-R/CD-RW
- DVD/CD, VOB/MPG/DAT, MP3/WMA and JPEG/BMP playback
- 160GB HDD for up to 198 hours
- Back up camcorder and edit

NEW

Part No.	Product No.	1	10	25
487525CB	LVW-5045♠	$375.79	$372.00	$368.29

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

CD Accessories



249447CB



172179CB



208514CB

Part No.	Description	1	5	10
249447CB	48x/700MB/80 min./100 pk.	$31.95	$30.50	$28.95
172179CB	Single jewel case	.49	.41	.31
208514CB	Paper envelope 25 pk.	2.49	2.25	1.99

Removable IDE HDD Enclosure For 5.25" Drive Bay

- Supports DMA 66 hard drive
- Retaining lock mechanism
- 12VDC @ 50mA fan
- CFM rating: 5.6
- Size: 5.9"W x 8.7"D x 1.6"H
- Weight: 1.3 lbs.



Includes: Mounting hardware

Part No.	Description	1	10	25
170608CB	Enclosure kit (IDE)	$25.45	$22.89	$19.95

External IDE HDD Enclosure with Parallel Interface



An external HDD enclosure for IDE hard drives with a parallel port interface to be connected to a PC or laptop. No drivers needed. Windows® 98 and above will automatically detect hard disk drive.

- Parallel port interface
- Built-in fan and 110V power supply

SALE

Includes: Parallel cable and power cord

Part No	Description	1	5
249316CB	HDD external enclosure	$17.95	$16.16

5.25" Screwless HDD/CD-ROM Enclosure

- Screwless design
- Ultra-light plastic body
- Audio jack for CD-ROM analog audio output
- Power-on and read/write LED indicators
- IDE interface supports ATA, PIO, ATAPI, DMA, and UDMA devices
- Supports Windows® 98/98SE/ME/2000/XP
- Size: 9.8"L x 6.5"W x 2.3"H
- USB 2.0 compliant
- Plug and play



Includes: USB 2.0 cable, base, 12VDC @ 1.6A power supply and CD-ROM drivers

Part No.	Mfr. Part No.	1	5
344751CB	SD-U2DEL-525	$44.89	$42.65

5.25" Stackable CD/DVD/Hard Drive Enclosure



This 5.25" enclosure is designed to provide a solution in connecting existing storage devices such as 3.5" hard drives, MO drives, CDROM drives, and DVD drives to a USB 2.0 bus. An ideal interconnect for multimedia applications.

- Supports plug-n-play, hot-swap, and wake-up
- Peak data transfer rate of up to 480Mbps
- Accommodates all existing storage devices such as 3.5" IDE hard drives, MO drives, CD and DVD drives
- Compliant w/ USB specification Rev. 2.0
- ATA/ATAPI-6, LBA48, PIO Mode, DMA mode, and UDMA mode supported
- Light-weight plastic body
- Size: 10.1"L x 6.5"W x 2.5"H
- Weight: 2.4 lbs.

Includes: USB-A to USB-B cable, 12VDC @ 2.0A power supply and CD-ROM drivers

Part No.	Mfr. Part No.	1	5
344743CB	SY-UEN-5MYS-S ⊕	$44.89	$42.65

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

2.5" External USB Enclosure



- 2.5" external enclosure for 2.5" hard drives
- Transfer rate: 480Mbps (Ver. 2.0)
- Plug and play; hot-plug
- Compatible with Windows® 98/98SE/ME/2000/XP
- Bus powered through USB connector

Includes: USB cable with adapter and CD-ROM software drivers

Part No.	Description	1	10
354984CB	2.5" enclosure	$29.39	$27.89

3.5" Screwless Hard Drive Enclosure



- Screwless design
- USB 2.0 compliant
- IDE interface supports ATA, PIO, DMA, and UDMA hard drives
- Rugged aluminum body
- Plug and play, hot-swapping capability
- Power-on and read/write access LED indicators
- Size: 8.4"L x 4.7"W x 1.4"H

Includes: USB 2.0 cable, 12VDC @ 1.6A power supply and CD-ROM drivers

Part No.	Mfr. Part No.	1	5
344735CB	SD-U2PLA-35 ⊕	$31.45	$29.89

USB Thumb Drives

Thumb drives are compact and fit easily in your pocket or hang around your neck. Portable and lightweight, no external power needed. No drivers necessary for Windows® ME and above.



217795CB

- 10 year data retention • Size: 2.9"L x 0.7"W x 0.4"H
- Windows® 98/98SE drivers are available at www.Jameco.com

SALE

Part No.	Description	1	10
217787CB	128MB	$49.95	$44.96
217795CB	512MB	99.99	89.99

USB Flash Drives

Kingston Data Traveler
- 64MB - 1GB



LexarMedia Jump Drive
- 128MB - 512MB

Memorex Travel Drive
- 512MB - 1GB

M-Systems DiskOnKey
- 512MB



SanDisk Cruzer
- 128MB - 2GB

Apacer Handy Steno
- 256MB - 512MB with password security

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete USB Flash Drives Offering at www.Jameco.com/Prod/USBFlashDrives

We're Listening to Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

Kingston Compact Flash Memory



Compact Flash cards are the most popular type of flash storage used in many electronic devices today. These removable, compact cards are ideal storage solutions for taking more pictures with your digital camera,listening to more music with your MP3 player, and increasing the productivity of your PDA, palmtop, or handheld PC.

- Type 1 • Read speed: up to 2MB/sec
- Write speed: up to 1.2MB/sec

Part No.	Size	1	10	25
344962CB	128 MB ♠	$18.99	$17.99	$17.15
344971CB	256 MB ♠	31.69	30.15	28.59
344989CB	512 MB ♠	53.55	50.85	48.29

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Compact Flash Memory Cards

Lexar SanDisk TOSHIBA



- For use with digital cameras, MP3 players, and handheld PCs
- LexarMedia: 64MB to 1GB
- SanDisk: 64MB to 1GB - also CF Ultra II: 1GB to 4 GB
- Toshiba: 256MB to 2GB • Renesas: 512MB

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Compact Flash Card Offering at www.Jameco.com/Prod/CompactFlash

Multimedia/SD Flash Cards

SanDisk Kingston TOSHIBA



- For use in digital cameras, PCs, voice recorders, audio/video equipment, TVs, musical instruments, PDAs, mobile phones, automotive equipment, portable audio,and digital video cameras.
- SanDisk: 64MB to 1GB - also SD Ultra II: 512MB to 2GB
- Kingston: 256MB to 512MB
- Toshiba: 64MB to 1GB

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Multimedia/SD Card Offering at www.Jameco.com/Prod/FlashMMCSD

Flash Card Adapters

Phison 5-in-1 PCMCIA adapter
Phison 5-in-1 Compact Flash adapter



- Use with SmartMedia, Secure Digital, Multimedia, Memory Stick and Memory Stick PRO

MediaGear xD-Picture to SmartMedia
- Windows® and Mac compatible

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Card Adapter Offering at www.Jameco.com/Prod/FlashAdapters

Flash Memory Cards

xD Picture Card
- Recording media for digital cameras
- For use with Olympus and Fuji
- Fuji: 64MB to 256MB
- Olympus: 64MB to 512MB
- LexarMedia: 32MB to 128MB

FUJIFILM OLYMPUS

Memory Stick, Memory Stick Pro, Memory Stick Pro Duo

Lexar SanDisk
- For use with digital imaging, audio, video, mobile, PCs and gaming.
- MagicGate Memory Stick: 128MB
- SanDisk Memory Stick PRO: 512MB to 2GB
- LexarMedia Memory Stick PRO: 1GB
- SanDisk Memory Stick PRO Duo: 64MB to 1GB
- Sony Memory Stick PRO Duo: 256MB

See OurComplete Flash Memory Card Offering at www.Jameco.com/Prod/FlashMemoryCards

Internal Flash Card Readers

MediaGear 3.5" Media Bay USB 9-in-1 flash reader/writer



- 4 memory card slots
- Compact Flash type I & II; Microdrive; Memory Stick; Memory Stick PRO; SmartMedia; Secure Digital; Multimedia card & Extreme Digital

Soyo 3.5" BayOne XP 9-in-1 flash reader/writer
- Windows® compatible • Slot for next generation SD

Soyo 5.25" BayOne Xtreme 9-in-1 reader/writer
- Detachable

Soyo 3.5" BayOne DV 9-in-1 flash reader/writer
- Windows® compatible • USB and Firewire ports

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Flash Reader Offering at www.Jameco.com/Prod/FlashReaders

Front Panel Access Port

Enjoy easy up front access to all your most used ports, including USB, IEEE 1394, audio, and serial ports, without moving the PC.



Tower not included

- 2 USB; 1 IEEE 1394; Line-In; Line-Out; RS-232 (9-pin male)

Part No.	Description	1	10
208004CB	Front panel port ⊕	$34.95	$32.45

USB Complete

Lakeview (3rd Edition) Provides an easy-to-use interface for computer peripherals. The book covers topics such as what USB can do, transfer types, chip choices, what's inside a USB controller, writing firmware, how the host communicates and more. (572 pages, 2005)



- Size: 7.0" x 9.0" • Weight: 1.9 lbs.

Part No.	Description	Price
171900CB	Complete USB Book	$49.95

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Computer

USB Card Reader



Easy to use, USB memory card reader is compact and very versatile. Supports all types of memory cards: compact flash types I and II, microdrives, both standard and reduced size multimedia cards, memory sticks, standard and mini secure digital cards, and smart media cards. USB 2.0 and 1.1 compliant, it supports transfer rates of up to 480Mbps and direct transfer between different types of memory cards.

- Supports hot-swap and wake-up
- Bus powered – no external power supply required
- LED indicators for power on and operation status of individual sockets
- Built-in USB-A cable

Part No.	Cross Ref. No.	1	10	25
344840CB	SD-U2CR	$19.95	$18.95	$16.50

USB Multimedia Card Reader



An easy way to upload photos, files, movies, and data from your multimedia flash memory card to your computer! Just drag and drop.

- USB-A male connector
- 1 expansion slot for multimedia card
- Compatible with PC's and MAC's

SanDisk

SALE

Part No.	Product No.	1	5	10
278125CB	SDDR-1201	$5.99	$5.46	$4.96

Universal USB Flash Card Reader/Writers



- Windows®/Mac compatible

SanDisk ImageMate 12-in-1

- CF type I&II; SD; miniSD; MMC; RS-MMC; MS; MS PRO; MS Duo; MS PRO Duo; SM; xD

SanDisk MobileMate 4-in-1

- MS; MS PRO; MS Duo; MS PRO Duo

Soyo MS-PC-8100 12-in-1

- 3-port hub
- CF type I&II; SD; miniSD*; MMC; miniMMC; MS; MS PRO; MS Duo*; MS PRO Duo*; SM; MD

Zynet CR-T11-U29 12-in-1

- CF type I&II; MD; SM; MS; MS PRO; MS Duo; MS PRO Duo*; SD; MMC; RS MMC*; MiniSD

MediaGear MGTR-600 12-in-4

- CF type I&II; MD; SM; xD; MS; MS PRO; MS PRO Duo; MS Select; SD; miniSD; MMC

MediaGear MGTR-300 8-in-4

- CF type I&II; MD; MS; MS PRO; SM; SD; MMC

I-Rocks IR-5300 12-in-1

- Windows compatible only
- CF type I&II; MD; SM; MS; MS PRO; MS Duo*; MS PRO Duo*; SD; miniSD*; MMC; miniMMC

MagicStor with 2.2GB Hard Drive

- CF+ Type (ATA & PCMIA compatible)

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD. *Requires adapter; see page 238.

See Our Complete Flash Card Reader Offering at www.Jameco.com/Prod/FlashReaders

Standalone Flash Card Readers

Vosonic XS-Drive II & MediaGear Flash-HD



- 6-in-1 portable storage
- Transfer photos or digital data from memory cards to internal hard drive using the LCD panel.
- CF type I&II; Microdrive; Memory Stick; Memory Stick PRO; SmartMedia; Secure Digital; Multimedia Card & xD
- Windows® and Mac compatible

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Standalone Flash Reader Offering at www.Jameco.com/Prod/StandaloneReaders

SmartBeam™ Infrared Adapter



Provides the simplest and fastest way to interface your PC or laptop with palmtops, organizers, and even printers. Using industry standard IrDA 1.0 technology, it can communicate with other devices that are IrDA up to 115.2kbps. Connect this device to a serial port and share files, printers, and even send email.

Includes: Software & DB9 M-to-DB25 F serial adapter

Part No.	Description	1	10
291821CB	Infrared adapter	$25.89	$23.29

Mobile USB Fan

This is so cool, you'll be its greatest fan!



Take advantage of a great deal on this innovative personal USB-powered fan for laptop computing! You'll enjoy the added comfort of features like a flexible gooseneck mount, soft nylon blades and quiet motor.

Part No.	Description	Price
256461CB	Mobile USB fan ⊕	$8.99

Mobile USB Light

Light up your laptop and work anytime, anywhere!



Whenever and wherever you need light on your keyboard, this USB-powered, flexible, plug-and-play LED lamp will deliver. Discreetly illuminate your keyboard during presentations in darkened boardrooms, or work on the plane without disturbing others.

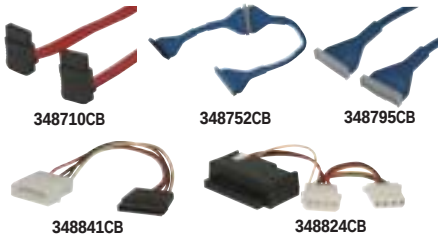
Part No.	Description	Price
256436CB	Mobile USB light ⊕	$9.99

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost!

Internal Serial ATA, ATA-133 & Floppy Drive Cables

JAMECO ValuePro



348710CB 348752CB 348795CB 348841CB 348824CB

Flat ribbon cables blocks airflow within a computer system, but with round internal cables, it will improve internal airflow in any computer system.

For additional drive cables see page 102.

Round Serial ATA cables

- Color: red
- 7-pin connector

Part No.	Description	Length	1	10	25
348710CB	90° ⊕	19.9"	$4.69	$4.11	$3.91
348744CB	90° ⊕	39.4"	5.89	5.21	4.95
348728CB	180° ⊕	19.9"	4.69	4.11	3.91
348736CB	180° ⊕	39.4"	5.89	5.21	4.95

Round ATA-133 cables

- Dual 40-pin ATA-133/IDE

Part No.	Color	Length	1	10	25
348752CB	Blue ⊕	18"	$4.69	$4.27	$4.05
348761CB	Black ⊕	18"	4.69	4.27	4.05
348779CB	Blue ⊕	24"	5.45	5.12	4.87
348787CB	Black ⊕	24"	5.45	5.12	4.87

Round Floppy Drive Cables

- 34-pin connectors

Part No.	Color	Length	1	10	25
348795CB	Blue ⊕	18"	$6.59	$6.59	$5.77
348808CB	Black ⊕	18"	6.59	6.07	5.77
348816CB	Blue ⊕	24"	7.69	7.21	6.85

Serial ATA Power Cable Extension

- 15-pin serial ATA power connector to 4-pin power connector

Part No.	Size	1	10	25
348841CB	6"L x 18 AWG ⊕	$2.79	$2.56	$2.43

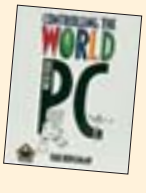
IDE to Serial ATA Converter

- Converts 40-pin HDD connector to serial ATA connector

Includes: converter unit, power and serial ATA cables

Part No.	Description	1	10
348824CB	IDE to serial ATA ⊕	$28.99	$27.55

Controlling the World with Your PC



Hightext Publishing Make your PC control stepping motors, monitor fluid levels, or switch appliances on and off! Each of the circuits in this book connects directly to the parallel printer port of your PC and comes complete with a circuit diagram and listings for control software written in Pascal, C and BASIC. (257 pages, 1994)

Includes: 3.5" disk

SALE

Part No.	Description	Price
116943CB	Controlling the World with Your PC	$39.89

Computer

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Interface Cards

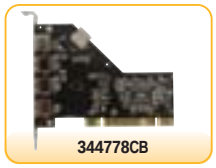
RoHS Compliant Product
RoHS Also Available

Color Code Legend: New | Sale | Lower$ | QtySave


344794CB

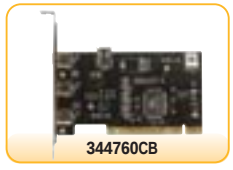

310201CB

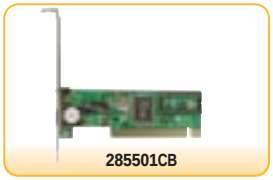

344815CB


344778CB

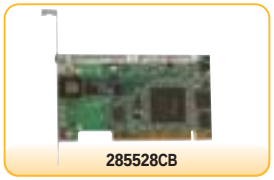
SALE


215984CB


344760CB

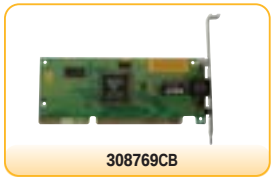

285501CB


285510CB


285528CB

SALE


313710CB


308769CB

USB Interface Cards

Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
344794CB	SYBA	SD-PCB-USB	PCMCIA	2	USB	32-bit cardbus Type II compliant, USB 2.0 compliant, data transfer rate of 480Mbps.	$29.35	$27.89
310201CB	—	USB/PCI5	PCI	4 ext / 1 int	USB	USB 2.0 compliant, open host controller interface USB 1.0A compliant, Windows® 98/ME/2000/XP.	14.95	14.19
344815CB	SYBA	SD-PCB-COM	PCMCIA	4	USB/Firewire	32-bit bus Type II slot, USB 2.0 and IEEE 1394a compliant, open HCI V1.0 and 1.1 compliant.	41.59	39.52
344778CB	SYBA	SY-VIA-5UB	PCI	4 ext / 1 int	USB	32-bit host interface, VT6212 (USB 2.0) host controller chip, USB 2.0 Rev 1.1 compliant.	13.55	12.86

Firewire Interface Cards

215984CB	—	U02-00315	PCMCIA	2	IEEE-1394	32-bit bus, IEEE 1394 compliant, 400Mbps max., backward compatible, supports Windows® 98SE/ME/2000/XP and MAC OS 8.6 or above.	$44.29	$40.29
344760CB	SYBA	SY-VIA-4F	PCI	3 ext / 1 int	Firewire	VT3606 controller chip, 32-bit, IEEE 1394-1995 and 1394a compliant.	21.79	20.70

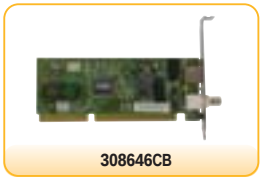
Network Interface Cards

285501CB	—	RTL8139D	PCI	1	RJ-45	IEEE 802.3 and 802.3u compliant, auto detection of 10Mbps or 100Mbps, N-way 10/100 auto negotiation.	$13.49	$12.15
285510CB	—	905B ♣	PCI	1	RJ-45	IEEE 802.3 and 802.3u, N-way 10/100 auto negotiation.	11.99	10.79
285528CB	—	GD82559 ♣	PCI	1	RJ-45	IEEE 802.2 and 802.3 compliant, 6kB cache on board, 10/100 auto negotiation, supports Windows® 95/98/2000/NT3.51/NT4.0.	11.99	10.79
313710CB	Phoebe	OCTNIC-100 ⊕	PCI	1	RJ-45	IEEE 802.3 auto negotiation compliant, Windows® 95/98/NT/ME/2000/XP compatible.	12.65	11.99
308769CB	3-COM	3C509B-TPO ⊕	ISA	1	RJ-45	IEEE 802.3i (10Base-T) and IEEE 802.3 (10Mbps) compliant.	15.49	13.95
308646CB	COMPEX	RL200A-PnP	ISA	2	RJ-45/BNC	IEEE 802.3 (10Base-T) 10Mbps, supports NETWARE, LAN manager, Windows® 95/NT/Workgroups/OS2.	18.09	16.25
355039CB	GetOn	C130 ⊕	PCMCIA		Wi-Fi	32-bit cardbus interface, IEEE 802.11b compliant, wireless data-rate (1Mbps to 11Mbps), supports Windows® 98/2000/ME/XP.	17.59	16.72

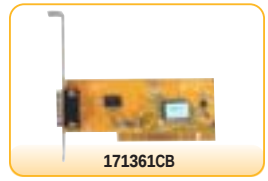
Serial Interface Cards

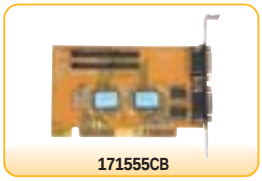
171361CB	—	4025A ⊕	PCI	1	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, single 16C550.	$38.95	$35.95
171555CB	—	99378	ISA	2	DB9	16-byte FIFO, 921kb/sec transfer rate, IRQ 3/5/7/9/10/11/1/15 and address jumper configurable, dual 16C550 DB9 male.	24.95	21.85
132572CB	—	TC-400-550 ⊕	ISA	4	DB9/DB25	16 or 32-byte FIFO, supports IRQ sharing, dual 16C550 DB9 male, dual 16C550, dual DB25 male.	59.95	53.95
172005CB	—	99467 ⊕	PCI	2	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, dual 16C650 DB9 male.	48.45	43.65
171547CB	—	99468 ⊕	PCI	4	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C550.	129.95	116.95
171660CB	—	99469 ⊕	PCI	8	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C650.	179.95	161.95
344903CB	SYBA	SD-PCI-1S ⊕	PCI	2	DB9	32-bit PCI bus, dual DB-9 male, Nm9835CV chipset.	27.49	26.15

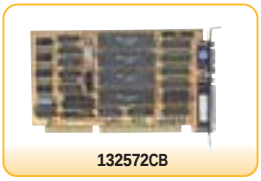
♣ Pull = Extra Savings

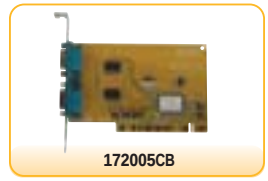

308646CB

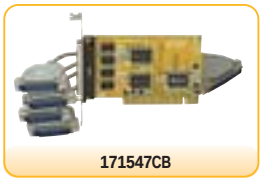

355039CB

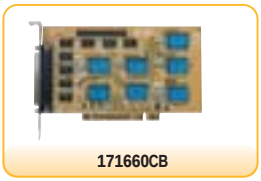

171361CB


171555CB


132572CB


172005CB


171547CB


171660CB


344903CB

Interface Cards

Adaptec Cards

- SCSI Cards
- SCSI RAID Cards
- Serial ATA RAID Cards



HighPoint Cards

- ATA Host Adapter Cards
- ATA RAID Cards
- SATA RAID Cards
- Print Server



NEW ON THE WEB

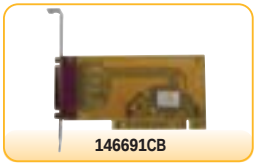
EdiMax PCI Cards
MicroWise PCI Cards
Broadcom RAIDCore™ Cards
Intel Serial ATA RAID Cards
3Ware Serial ATA RAID Cards
Modem Cards

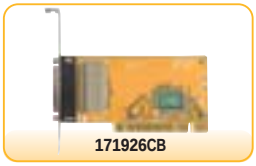


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RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

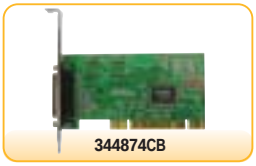

146691CB


171926CB



163707CB


312039CB


344874CB

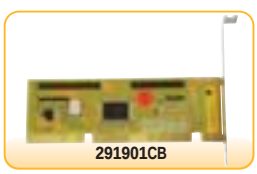


169594CB


131318CB



206316CB


291901CB



149294CB

Parallel Interface Cards

Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
146691CB	—	4006A ⊕	PCI	1	DB25	BPP/SPP mode compliant, Windows® 95/98/NT4.0 drivers supported.	$23.95	$21.95
171926CB	—	4008A ⊕	PCI	1	DB25	32-byte FIFO, 2MB/sec transfer rate, supports ECP and EPP, supports IRQ sharing, DB25 female.	39.95	35.95
163707CB	—	4014A	PCI	2	DB25	BPP/SPP mode compliant, Windows® 95/98/NT4.0 drivers supported.	26.55	24.15
312039CB	Kouwell	KW-508G-2	ISA	2	DB25	Dual DB25 female. ECP/EPP/SPP mode compliant, LPT port, IRQ selectable.	24.05	22.85
344874CB	SYBA	SD-PCI-1P	PCI	1	DB25	32-bit PCI, single DB25 female, NETMOS Nm9805CV chipset, IEEE 1284 compliant.	23.59	22.45

Serial and Parallel Interface Card

169594CB		4078A	PCI	—	DB25	BPP/SPP mode compliant, Windows® 95/98/NT4.0 drivers supported. Includes parallel DB25 female panel bracket assembly (single parallel / dual 16C550 serial).	$56.95	$54.09

Super I/O Controller Cards

131318CB	—	KW-557A	ISA	—	Mult.	Supports 2 IDE and 2 floppy drives, single parallel port, dual RS-232 (16550 UART).	$29.95	$26.95
206316CB	—	CA8390	ISA	—	Mult.	16-bit data transfer, supports 2 floppy drives (360k-1.44Mb), controls 2 AT BUS hard disk drives.	11.09	10.09
291901CB	—	MCT-IDEFH-2	ISA	—	Mult.	16-bit interface, supports 2 IDE hard drives up to 528MB and 2 floppy drives from 360kb to 1.44Mb, jumper selectable for enabling and disabling ports.	28.89	25.99
149294CB	—	CI-2020	ISA	—	50-pin F	DOS/Windows® /NT/95/OS2 Netware/SCO UNIX, internal and external SCSI connectors.	33.99	29.99
191513CB	Adaptec ✪	AHA-2940U2B	PCI	—	68-pin F Ultra SCSI2	AIC-7890AB chipset, Windows® 95/NT, Netware, OS/2 compatible, internal/external ULTRA II SCSI 68-pin connectors.	29.95	26.95

Modem Card

311706CB	Dolphin	CX11252	PCI	—	RJ-11	300-56K data line speed, 2400-14.4K fax line speed, Group 3 w/ T.30 protocol compatible.	$8.99	$8.65

Video Graphics Cards

NEW

248840CB	—	PS32985DR-8MB	PCI	—	HDDB15	Savage IX 8MB graphics accelerator, built-in direct draw accelerator and NTSC/PAL video encoder 4-bit resolution.	$28.99	$26.35
364111CB	ATI	109-54100-00	PCI	—	HDDB15	8MB graphics accelerator, Rage LT PRO AGP chipset, 7-pin TV-out and DFB connectors, Windows 98 and NT4.0 compatible.	29.99	28.49
345244CB	Giga-Byte ♠	GV-N40128TE	AGP	—	HDDB15	64-bit memory bus with NVDIA GeForce MX4000 chipset, 400MHz mem clock speed, 128MB DDR memory, supports TV-out and multiview.	57.55	54.50
345252CB	Giga-Byte ♠	GV-N52128DS	AGP	—	HDDB15	128-bit memory bus with NVDIA GEForce FX5200 chipset, 400MHz mem clock speed, 128MB DDR memory, supports TV-out, DVI port and multiview.	66.19	65.05
488878CB	Chaintech ♠	LA-FX20	4x/8x AGP	—	HDDB15 TV	64/128-bit memory interface with NVDIA GEForce FX5200 chipset, 400MHz mem clock speed, 250MHz core clock speed, 128MB DDR memory, supports TV-out and multiview.	52.15	51.60
488528CB	Sapphire ♠	100-562A	4x/8x AGP	—	HDDB15 S-Video	4 rendering pipelines & 2 geometry engines with ATI Radeon 9600 XT chipset, 256MB DDR memory, supports TV-out, DVI and multiview.	101.79	100.79

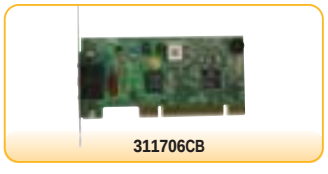
Sound Card

249404CB	Creative	CT4830	PCI	—	Multi	2-audio line-out (mini-stereo 3.5mm F), 1 microphone input (mini phono 3.5mm F), 1-audio line-in (mini-stereo 3.5mm F) and 1 game port (DB15F).	$29.95	$26.95

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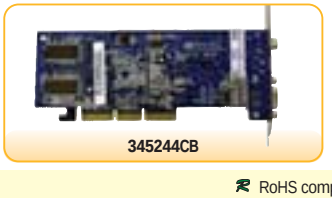
191513CB

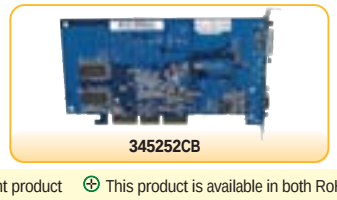

311706CB



248840CB


364111CB


345244CB


345252CB



488878CB



249404CB

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Radeon® Graphics Cards



X300

Delivers enhanced visual quality and performance for today's and tomorrow's graphics-intensive digital photo and video applications, web-surfing and gaming.

X600

NEW ON THE WEB



Gives you the ability to send and receive data simultaneously at twice the speed of current AGP 8X solutions.

7000

Delivers workstation-level 2D & consumer-level 3D graphics performance for today's demanding applications.

9550

Delivers an exceptional visual experience for the value-minded gamer and PC enthusiast.

9600

Delivers maximum programmability and entertainment value to the most devoted gamer and casual enthusiast alike.

9800

One of the fastest & most visually-advanced 3D graphics performers, supporting AGP design specifications.

X700

Brings a richer visual experience to 3D gaming, watching movies and streaming video, Internet browsing, viewing and processing digital photos, or home office applications.

X800

Graphics technology set a new standard in graphics performance and visual realism.

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Graphics Cards

TV Tuner Cards

NEW ON THE WEB

Leadtek ATI matrox CHAINTECH



Allow broadcast TV viewing, stereo FM radio, live video display and video communication on a PC with the finest quality and optimal performance.

Graphics Cards



Revolutionary design that delivers best-in-class performance on today's hottest games & applications.

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Multimedia Speakers

- Powerful speakers enhance your gaming experience
- Unique techno lighting adds awesome visual effects



NEW ON THE WEB

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See Our Complete Speaker Offering at www.Jameco.com/Prod/MMSpeakers

Flat Panel Speaker System



- Built-in amplifier
- Low distortion
- Magnetically shielded
- Designed for multimedia use
- Ultra thin satellite speaker and 3" subwoofer cone type speaker
- Frequency response: 80Hz–16kHz
- Power output: speakers – 1W +1W (RMS) subwoofer – 5W (RMS)
- Front access LED, power, and volume controls
- Size: satellite – 5"W x 7.5"H x 2.5"D subwoofer – 5.75"W x 5.5"H x 6.6"D

Includes: Power adapter

Part No.	Description	1	10
382740CB	Flat panel speaker	$18.89	$17.49

Dragon 180-Watt Multimedia Speakers



- 2-Channel stereo amplifier
- Magnetically shielded
- Two 3" 4Ω full-range speakers SALE
- Frequency response: 100Hz to 20kHz
- Front panel control for volume, power, 3.5mm mini stereo jack
- Size:7.0"H x 3.0"W x 5.3"D • Weight: 2.0 lbs.

Power requirements: 2-prong 110VAC input

Part No.	Description	1	10	25
277229CB	180W speakers	$9.99	$8.99	$8.09

Harman/Kardon Multimedia Amplified System



- 4.5W RMS per amplified speaker
- Transducer: 3" full range driver, magnetically shielded
- Freq. range: 90Hz to 20kHz
- Volume control, bass and treble control, LED indicator and headphone jack
- Size: 8.5"H x 4.5"W x 5.0"D • Weight: 4.7 lbs.

Includes: 16VAC @ 1A power supply

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
211001CB	H/K speaker system ✪	$12.95	$11.65

480-Watt Multimedia Speakers



- 2 magnetically shielded speakers
- 2-channel stereo amplifier
- Push button type power switch with LED indicator
- Knob controls for volume, bass & treble
- Input voltage: 120VAC
- Size: 5.5"W x 7.0"D x 9.1"H • Weight: 5.3 lbs.

Part No.	Description	1	10
196066CB	480W speakers	$39.95	$35.95

PC Speakers SALE

Perfect for desktop PCs with limited amount of space. Compatible with any desktop PC.



- 3.5mm stereo male plug
- Size: 4.7"H x 3.0"W x 4.0"D

Part No.	Cross Ref. No.	1	5	10
311079CB	5065-5746	$15.99	$14.39	$12.95

Speakers, PA's and Megaphones



speco technologies



The solution for your indoor and outdoor audio needs, mobile or fixed.

Commercial Audio

- All-in-one units with woofer and transformer

Indoor and Outdoor Speakers



- Two-way configurations
- Frequency response: 55Hz-20kHz

In-Wall and Ceiling Speakers

- EZ tabs for mounting

Megaphones

- Range: 500-800 feet
- Battery powered

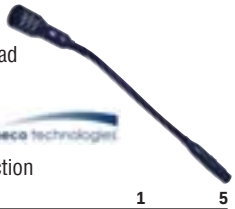
PA Systems

- Weatherproof
- Impedance: 8Ω

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See Our Complete Speco Speaker Offering at www.Jameco.com/Prod/SpecoSpeakers

Industrial Gooseneck Microphone



- Dynamic
- Unidirectional
- On-Off switch on MIC head
- Flexible gooseneck
- 80Hz-16kHz
- 500Ω impedance
- Sensitivity: -54dB±3dB
- XLR 3-pin female connection

speco technologies

Part No.	Description	1	5
540701CB	Microphone ♠	$34.79	$31.29

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Push to Talk Hand Held Microphone



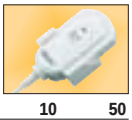
- 5 wire
- 500Ω impedance
- For CB & professional communications
- Push to talk
- Unbalanced (TS) plug

speco technologies

Part No.	Description	1	5
540613CB	Microphone ♠	$12.29	$11.07

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Hands-Free Condenser Microphone



- Cord length: 8'
- Connector: 3.5mm male stereo plug
- Size: 1.9"L x 1.2"W x 0.3"H
- One-year warranty

Part No.	Description	1	10	50
135247CB	Microphone ⊕	$4.49	$3.99	$3.65

Hands-Free Condenser Microphone



- Clip on microphone
- Cord length: 8'
- Connector: 3.5mm male stereo plug
- Size: 1.7"L x 1.3"W x 0.9"H

Part No.	Description	1	10	100
319759CB	Microphone	$3.89	$3.69	$3.55

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.


Fig.1


Fig.2


Fig.3


Fig.4


Fig.5


Fig.6

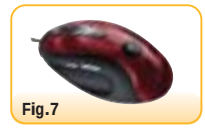

Fig.7


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Fig.13


Fig.14


Fig.15


Fig.16


Fig.17


Fig.18


Fig.19


Fig.20


Fig.21

SALE

Biometric Mouse


Fig.22


Fig.23


Fig.24


Fig.25


Fig.26

Travel Mouse


Fig.27


Fig.28

SALE


Fig.29


Fig.30


Fig.31


Fig.32


Fig.33

Quantity SAVE


Fig.34


Fig.35

Part No.	Manufacturer	Product No.	Type	Interface	Description	Fig.	Size (L" x W" x H")	1	10	25
486021CB	AOpen	90.00026-750/752 ♠	Optical	USB-PS/2	3-button with scroll, black/silver	1	—	$8.79	$8.71	$8.63
486055CB	AOpen	90.00026.871 ♠	Optical	USB-PS/2	Wireless, 3-button with scroll	2	—	28.09	27.81	27.53
485925CB	BenQ	M102 Silver-Black ♠	Optical	USB-PS/2	Mini optical mouse, 3-button with scroll	3	3.3 x 2.0 x 1.2	15.69	15.51	15.36
485950CB	BenQ	99.Q5088.C1U ♠	Optical	USB-PS/2	Wireless, 3-button with scroll; programmable	4	4.9 x 2.4 x 1.5	45.69	45.23	44.79
395612CB	IONE	LYNX-L7R ⊕	Optical	USB-PS/2	Mini optical mouse w/ retractable cable and USB-PS/2 adapter	5	3.9 x 2.3 x 1.5	29.95	26.95	24.25
485976CB	Logitech	930995-1403 ♠	Optical	USB-PS/2	3-button with scroll	6	—	11.69	11.56	11.44
485992CB	Logitech	931179-0403 ♠	Optical	USB-PS/2	8-button with scroll; programmable	7	—	46.65	41.99	37.79
485896CB	Microsoft	D58-00041/X06-26230 ♠	Optical	USB-PS/2	3-button with scroll, beige	8	—	16.35	16.19	16.03
486080CB	Microsoft	D66-0004/X08-70400 ♠	Optical	USB-PS/2	3-button with scroll, beige	9	—	11.69	11.56	11.44
485888CB	Microsoft	N48-00020/19 ♠	Optical	USB-PS/2	3-button with scroll and tilt wheel	10	—	25.49	25.21	24.96
486098CB	Microsoft	N72-00001 ♠	Optical	USB-PS/2	Wireless, 3-button with scroll and tilt wheel	11	—	37.55	37.14	36.77
486119CB	Microsoft	N73-00013/12 ♠	Optical	USB-PS/2	Wireless, 3-btn w/ scroll & tilt wheel; for left or right hand	12	—	31.95	31.64	31.33
486039CB	Spec Research	HS3003/U+P ♠	Optical	USB-PS/2	3-button with scroll	—	—	7.65	7.54	7.47
354976CB	—	C1-8B-2061-BB ⊕	Optical	USB-PS/2	3-button with optical wheel with USB to PS/2 adapter	13	4.2 x 2.1 x 1.6	11.29	10.75	10.19
486047CB	Spec Research	HM2002 ♠	Mech. Ball	USB-PS/2	3-button with scroll	14	—	2.99	2.97	2.94
485714CB	Spec Research	HS3003/49P ♠	Optical	USB-PS/2	3-button with scroll	15	—	7.65	7.54	7.47
485968CB	BenQ	M310 ♠	Optical	USB	Wireless, 3-button with scroll; for left or right hand users	16	3.3 x 2.0 x 1.2	41.79	41.34	40.93
486004CB	Logitech	931352-0403 ♠	Optical	USB	Gaming-grade 8-button with scroll; programmable	17	—	54.79	54.26	53.72
486101CB	Microsoft	BZ4-00001 ♠	Optical	USB	Wireless, 3-button with scroll; snap-in receiver for notebook	18	—	33.99	33.62	33.28
486012CB	Microsoft	N64-0001 ♠	Optical	USB	2-button with scroll; silver	19	—	19.59	19.40	19.21
485861CB	Microsoft	P58-00006 ♠	Optical	USB	3-button with scroll; beige	20	—	10.15	10.01	9.92
485870CB	Microsoft	Q66-00008 ♠	Optical	USB	3-button with scroll; black	21	—	10.15	10.01	9.92
262625CB	Nitgen	—	Optical	USB	EyeD USB OptiMouse w/ biometric recognition software	22	5.1 x 2.5 x 1.5	115.95	110.19	99.99
265471CB	—	—	Optical	USB	Mini optical mouse	23	3.7 x 2.2 x 1.3	17.89	16.99	16.15
485917CB	BenQ	99.Q1888.UAP ♠	Optical	PS/2	3-button with scroll; glowing wheel; blue/silver	24	—	7.19	7.11	7.04
485941CB	BenQ	99.Q3188.P2U ♠	Optical	PS/2	3-button with scroll; for right or left hand users	25	4.7 x 2.5 x 1.5	7.89	7.79	7.71
485933CB	BenQ	99.Q3188.P4U ♠	Optical	PS/2	3-button with scroll; black/silver	26	—	7.69	7.60	7.53
265447CB	Memorex	32022378	Optical	PS/2	Wireless, 5-button optical ScrollPro w/ PS/2 to USB adapter	27	4.9 x 3.0 x 1.6	29.95	28.45	27.29
288972CB	Roltek	K3P400A	Mech. Ball	PS/2	3-button PS/2	28	4.2 x 2.5 x 1.3	4.95	4.49	4.05
213330CB	Shape	88803 ✪	Mech. Ball	PS/2	2-button retractable cord travel mouse; includes carry case	29	4.5 x 2.4 x 1.1	7.39	6.75	6.40
305082CB	IONE	Libra-90 ⊕	Trackball	PS/2	PS/2 trackball with USB adapter	30	5.6 x 4.7 x 1.9	29.95	26.95	24.25
485909CB	Microsoft	X08-70372/673-00431 ♠	Wheel	PS/2	3-button with scroll; beige	31	—	6.25	6.18	6.12
486071CB	Logitech	953695-0000/0403 ♠	Optical	PS/2	3-button with scroll, black	32	—	7.79	7.73	7.65
486063CB	Logitech	953696-0000/0403 ♠	Optical	PS/2	3-button with scroll, gray	—	—	7.79	7.73	7.65
485693CB	DynaPoint	H4001/H4011 ♠	—	PS/2	Wireless, 3-button with scroll	33	—	9.05	8.96	8.88
485706CB	—	HM2002/H2002 ♠	—	PS/2	3-button with scroll	—	—	3.35	3.28	3.25
283223CB	—	—	Mech. ball	DB9 female	3-button serial	34	4.3 x 2.6 x 1.6	6.15	5.23	3.92
121363CB	—	—	—	—	Mini mouse pad	35	7.0L x 5.5W	3.79	3.19	2.35

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD. ✪ Blue P/N = Limited Quantity Available

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Keyboards & Keypads

RoHS Compliant Product
RoHS Also Available

Color Code Legend
New Sale Lower$ QtySave


Fig.1

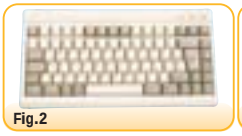

Fig.2


Fig.3


Fig.4

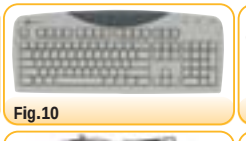

Fig.5

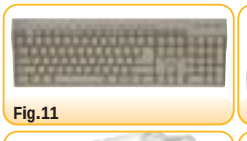

Fig.6

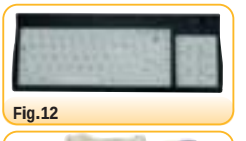

Fig.7


Fig.8


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Fig.10


Fig.11


Fig.12

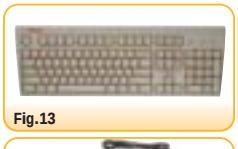

Fig.13


Fig.14


Fig.15


Fig.16


Fig.17


Fig.18

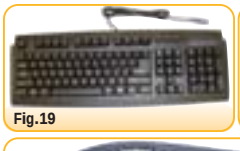

Fig.19


Fig.20


Fig.21

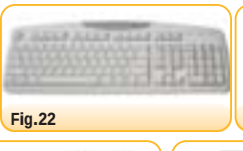

Fig.22


Fig.23

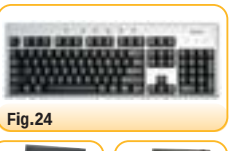

Fig.24


Fig.25


Fig.26


Fig.27

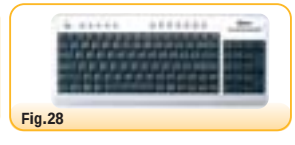

Fig.28


Fig.29


Fig.30

Keyboards

Part No.	Mfr.	Product No.	Interface	Description	Fig.	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
311183CB	—	HMB-631PUS	PS/2	84-key soft touch mini keyboard w/ track point mouse	1	12.3x6.0x1.2	—	$46.49	$44.15	$41.95
114868CB	—	MCK-84SX ⊕	5-pin DIN	84-key tactile keyboard, Windows® 95 compatible	2	12.8x6.6x1.0	—	49.95	44.95	38.95
211756CB	—	WK-540	5-pin DIN	88/89-key soft touch keyboard w/ touchpad, Windows® compatible	3	11.4x8.5x1.2	2.3	59.95	53.95	48.95
191530CB	COMPAQ	1PRT235BT	PS/2	101-key tactile keyboard w/ separate cursor and numeric keys, 12 function keys (recommend adapter P/N 159089CB)	4	18.3x6.5x1.3	3.6	18.95	16.95	14.95
308793CB	IONE	Scorpius-2K	PS/2	103-key soft touch keyboard, Windows® 98SE/2000/ME/XP compatible	5	15.9x6.5x1.3	—	39.95	35.95	32.49
639550CB	IONE	Scorpius-2KB	PS/2	103-key soft touch keyboard, Windows® 98SE/2000/ME/XP compatible (black)	5	15.9x6.5x1.3	2.1	39.95	35.95	32.49
319661CB	IONE	Gemini-M1 ⊕	PS/2	104-key soft touch wireless keyboard w/ 12 multimedia and function keys and 2-button optical scroll mouse. 5AA batteries included	6	17.6x7.5x1.6	2.2	28.49	26.99	25.69
173649CB	—	SUN 3201256-1	PS/2	104-key tactile keyboard w/ 12 function keys, separate arrow & numeric keys	7	18.2x7.0x1.5	2.7	12.95	11.65	8.55
128718CB	IONE	Scorpius 35PU/NET ⊕	PS/2	104-key tactile keyboard w/ built-in jumbo trackball. N-key rollover. Includes software and USB adapter; beige	8	19.0x16.8x1.4	3.7	99.95	94.75	89.55
249551CB	IONE	Scorpius 35PU/NET (black)	PS/2	104-key tactile keyboard w/ built-in jumbo trackball. N-key rollover. Includes software and USB adapter; black	8	19.0x16.8x1.4	3.7	99.95	94.75	89.55
308101CB	Labtech	967360-0403 ⊕	PS/2	104-key RF keyboard and 3-button optical scroll mouse Multimedia hot-keys. Includes installation guide and 4AA batteries	9	18.0x8.7x1.6	4.5	37.25	35.49	33.69
263521CB	—	RT3604	USB	104-key soft touch USB keyboard w/ 12 function keys, separate cursor and numeric keypad. Extra ports on side and rear	10	18.6x7.8x3.8	3.8	16.25	15.45	14.65
319812CB	PC Concepts	iCIA	PS/2	107-key soft-touch keyboard w/ programmable function keys for internet/ utility/office, and multimedia. Software included	11	17.5x5.7x0.8	1.8	13.79	12.41	11.79
235563CB	—	S20312	PS/2	Illuminated keyboard w/ 12-function keys, wake-up button, on/off switch, and separate keypad	12	15.3x5.9x1.3	1.7	56.75	51.57	46.88
354950CB	COMPAQ	KB-9965 ⊕	PS/2	107-key soft-touch keyboard w/ 12 function keys	13	18.5x6.5x1.4	1.3	17.99	16.19	15.37
485677CB	Microsoft	DA9-00001 ♠	USB, PS/2	102-key wireless keyboard w/ 21 function keys, zoom slider, optical scroll mouse	14	—	—	62.69	62.04	61.42
485685CB	BenQ	X730 PRO ♠	USB, PS/2	104-key wireless keyboard w/ 13 hot-keys and 2-button optical scroll mouse	15	19.5x8.0x1.6	3.2	110.95	109.81	108.72
485722CB	Microsoft	DB8-00001 ♠	PS/2	104-key digital media keyboard w/ 17 hot-keys, zoom slider; black	16	—	—	26.05	25.77	25.51
485731CB	Microsoft	C190006/375 ♠	PS/2	Internet keyboard with programmable hot-keys; beige	17	—	—	12.99	12.85	12.73
485749CB	KB Designer	KB-118W ♠	PS/2	104-key keyboard w/ 3 Windows® multimedia hot-keys; beige	18	—	—	4.55	4.51	4.47
485757CB	KB Designer	KB-118B ♠	PS/2	104-key keyboard w/ 3 Windows® multimedia hot-keys; black	19	—	—	5.05	5.01	4.96
485765CB	Acer	90.00029.858 ♠	PS/2	107-key keyboard w/ 3 Windows® hot-keys; beige	20	18.0x6.7x1.4	—	6.15	6.06	6.00
485773CB	Acer	90.00029.UB1 ♠	USB	107-key keyboard w/ 3 Windows® hot-keys; beige	21	18.0x6.7x1.4	—	15.09	13.58	12.22
485781CB	BenQ	99.POK81.U21 ♠	PS/2	107-key keyboard w/ 3 internet hot-keys; beige	22	—	—	5.89	5.81	5.76
485790CB	Microsoft	N90-00073/N91-00002 ♠	USB	104-key wireless keyboard w/ 7 hot-keys and 2-button optical scroll mouse	23	—	—	58.75	58.15	57.57
485802CB	BenQ	X120 ♠	USB, PS/2	X-Structure™ key technology w/ 5 internet hot-keys; black/silver	24	17.8x6.3x0.8	1.8	20.95	20.70	20.50
485811CB	Microsoft	K49-00023 ♠	PS/2	102-key multimedia keyboard w/ 17 hot-keys and detachable palm rest	25	—	—	16.69	16.50	16.34
485829CB	Microsoft	A11-00342/347 ♠	PS/2	Natural Keyboard Elite w/ ergonomic design and integrated palm rest	26	—	—	17.69	17.49	17.32
485837CB	Microsoft	K50-00074/22 ♠	PS/2	Natural Multimedia Keyboard Elite w/ hot-keys and built-in palm rest	27	—	—	21.55	21.32	21.11
485845CB	Acer	90.00029.SK5 ♠	USB, PS/2	100-key multimedia keyboard w/ 13 internet hot-keys	28	—	—	22.85	22.62	22.40

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Keypads

265375CB	QTRONIX	Scorpius-22RB ⊕	Serial	22-key serial tactile keypad w/ 2-key rollover and auto repeat function. Includes manual and drivers.	29	6.2x4.2x1.3	0.8	$39.95	$35.95	$32.49
319054CB	—	KB22APB ⊕	PS/2	22-key PS/2 tactile keypad. Includes PS/2 to AT adapter.	30	—	—	33.69	31.99	30.39

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Classic Line Keyboards



Keyboards that meet the highest demands for office and home applications.

- 104 or 105 keys
- Keycap symbols are water resistant and easy to clean

Standard

- NTK technology • Space efficient compact keyboard • PS/2 and USB
- Membrane contact switches with rubber-mat technology for individual use

Compact (19 inch)

- MX technology with Gold Crosspoint contacts • PS/2 interface
- Precision switching • Linear action

These products ship from a separate warehouse and may not ship the same day.
Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Keyboard Offering at www.Jameco.com/Prod/CherryKeyboards

Slim Line Keyboards



Compact keyboards are ideal for applications where reduced space requirements and low weight are of great importance.

- Keycaps arranged in 18mm grid
- ML technology with Gold Crosspoint contacts
- Ideal for use with Slim Line PCs and notebook computers

Ultra Low Profile Compact with 86 Keys

- For banking/financial applications or medical environments

Ultra Flat Compact with Integrated Trackball

- Excellent for systems where a pointing device is required but limited space does not permit the use of a separate mouse

These products ship from a separate warehouse and may not ship the same day.
Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Keyboard Offering at www.Jameco.com/Prod/CherryKeyboards

Advanced Performance Line Keyboards



Cherry sets the pace for new interface and device support such as USB, OPOS/JPOS, smart card and fingerprint technology. Cherry keyboards are designed to meet your needs.

FingerTIP ID Boards

- Equipped with PC/SC smart card reader and optional FingerTIP sensor
- USB interface

MultiBoards

- Combines functions of keyboard, magnetic stripe card reader and smart barcode decoder in a single device — suitable for POS applications
- Reads any ISO 7812-compliant magnetic stripe card

SmartBoards

- Secure PIN entry mode • Optional smart card reader • Class 2 terminal
- Especially suitable for access checks, network log-on and smart card based internet transactions

TouchBoards

- 104-key keyboard with integrated, high-quality touchpad and mouse keys

These products ship from a separate warehouse and may not ship the same day.
Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Keyboard Offering at www.Jameco.com/Prod/CherryKeyboards

Programmable Keypads





Whether for numerical inputs, controls or for frequent number entry—the programmable keypad is the ideal accessory.

- Equally suitable for left- or right-handed users
- All keys can be user-defined with up to 24 characters per key
- Variable decimal separator • PS/2 interface
- External standard keyboard can be connected
- Reliability: MTBF: 550,000 hours

Classic Line

- MX technology with Gold Crosspoint contacts

Slim Line

- ML technology with Gold Crosspoint contacts
- Use as an extension for notebook computers

These products ship from a separate warehouse and may not ship the same day.
Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Keypad Offering at www.Jameco.com/Prod/CherryKeypads

USB Smart Card Readers



Whether for access authentication, network log-on or smart card-based Internet transactions—the standalone Smart card Reader with USB connection is specially designed to get the job done.

- PC/SC Smart card reader
- Single-hand operation • CT-API supported
- Supported protocols: T=0, T=1, S=8, S=9 and S=10

577475CB/577483CB:

- Compatible with CardMan 2020 • MTBF: 50,000 insertion cycles

NEW

577491CB:

- Compatible with CardMan 3121 • MTBF: 100,000 insertion cycles
- CCID-compatible • EMV 2000 terminal Level 1-approved

Part No.	Product No.	Color	1	10
577475CB	ST-1000UA ♠	Grey/blue	$55.29	$48.89
577483CB	ST-1000UB ♠	Grey/black	47.95	42.37
577491CB	ST-1044UB ♠	Grey/black	42.99	39.19

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

USB Keyboard Adapter



- USB-A female to 6-pin mini DIN male (PS/2)

Part No.	Description	1	10	25
316831CB	USB-A to PS/2 ⊕	$1.79	$1.59	$1.39

Clip-on Mouse Pad



Organize and maximize your workstation.

Tired of trying to work without enough space? Free up your desk space with this convenient clip-on mouse platform. No drilling required– clamps on securely to your desk or workstation without damaging the desk. This unit also stores completely below your desk so you don't have to see it when it's not in use. Includes a cord clip to keep mouse cordstangle-free and in position.

Part No.	Description	Price
249105CB	Clip-on mouse pad	$6.99

Additional Wireless and Optical Mice



- PS/2 and USB interfaces • High-resolution sensors
- Ergonomic designs • Scroll wheel
- Programmable hot keys • Mini (notebook) styles

Available manufacturers:

BenQ
Acer
Logitech
Spec Research
Microsoft

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Mice Offering at www.Jameco.com/Prod/Mice

Computer

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

RoHS Compliant Product
RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

150 to 400-Watt PC Power Supplies

SALE


308814CB


421657CB


196189CB


172822CB

ATX Power Supplies

Part Number	Mfr.	Product Number	Power (W)	Output (VDC/A)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Output Conn. (Mating Conn.)	Certification	Size (L" x W" x H")	Wt. (lbs.)	Pricing 1	10	25
308814CB	Powmax	LP6100D*	400	+3.3/28, +5/30, +12/25, -5/0.3, -12/0.8, +5VSB/2	115/230 @ 60 switchable	3-prong AC receptacle w/ 6' power cord	ATX	UL/CUL/TUV/CE	5.9 x 5.6 x 3.4	3.5	**$54.95**	**$52.20**	**$49.59**
319994CB	3Y Power Technology	AP-1250-1112	250	+3.3/20; +5/25; +12/12 +5VSB/3; -5/5; -12/0.5	100-240 @ 50-60 switching	3-prong AC receptacle (P/N 38050CB, pg 222)	ATX	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.9	**39.19**	**37.25**	**35.39**
152194CB	American Media	JE2031⊕	250	+3.3/14, +5/25, +12/10, +5VSB/1.5, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle with 6' power cord	ATX	UL/CSA/TUV	6.0 x 5.5 x 3.4	3.5	**44.95**	**40.45**	**36.39**
152514CB	High Power	JE8250⊕	250	+3.3/16, +5/25, +12/10, +5VSB/1.5, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle with 6' power cord	ATX	UL/CSA/TUV	5.5 x 5.9 x 3.4	3.3	**44.95**	**40.45**	**36.39**
421657CB	Powertronic	PKI800T3*	200	+3.3/14, +5/22, +12/6, +5VSB/0.1, -5/.5, -12/0.8	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050CB, pg 222)	ATX	UL/CSA/TUV	6.0 x 5.6 x 3.3	3.3	**19.95**	**18.95**	**17.95**
196189CB	Emacs	MPW-6150F*	150	+3.3/6, +5/10, +12/6, +5VSB/0.72, -5/0.2, -12/1	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050CB, pg 222)	ATX	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.5	**34.95**	**31.45**	**27.85**

AT Power Supplies

233525CB	Sparkle Power	SPI-230G	230	+5/23, +12/9, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050CB, pg 222)	AT	UL/CSA/TUV	5.9 x 5.5 x 3.4	2.0	**$24.95**	**$22.45**	**$20.19**
172822CB	Mean Well	AA-230*⊕	200	+5/20, +12/8, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle with 6' power cord	AT	CSA/TUV/CE	6.0 x 4.6 x 3.4	2.6	**49.95**	**44.96**	**40.46**

* See photo above

PC Power Supplies

PC & IPC Power Supplies

- Power range: 90W to 530W
- Input voltage: 90~265VAC, 115/230VAC or 90~264VAC
- ATX, ATX/SFX, Flex ATX, PS3, TFX, IU, EPS 1U, EPS 2U, 2U and Power Factor Correction types available




These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Sparkle PC Power Supply Offering at www.Jameco.com/Prod/Sparkle

PC Power Supplies

- Power range: 200W to 600W
- Most models with active Power Factor Correction
- ATX, SFX, 1U, 2U & 4U types available




These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Seasonic PC Power Supply Offering at www.Jameco.com/Prod/Seasonic

PC Redundant Power Supplies

- Input voltage: 100-240VAC @ 47-63Hz
- 2U, 3U & 4U types available
- Built-in cooling fan
- N + 1 configuration
- Power fault alarm systems
- Over-current, over-voltage, over-power and short circuit protection



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Etasis PC Power Supply Offering at www.Jameco.com/Prod/Etasis

Committed To You

We're committed to providing you with the best service in the industry.

Power Inverters

150-Watt DC-to-AC Inverter

- Input voltage: 10-15VDC
- Output voltage: 110VAC @ 60Hz
- Peak power surge capable
- Overload & thermal protection
- Battery low shutdown
- Weight: 1.3 lbs.
- Dimensions: 4.8"L x 2.9"W x 1.8"H



Part No.	Description	1	10	25
277181CB	150W auto plug⊕	**$28.95**	**$27.49**	**$26.15**

75 and 150 Watt DC-AC Inverters

- Optimum efficiency: 90%
- AC output frequency: 60Hz
- DC input voltage range: 10 – 15VDC
- Auto reset short circuit protection
- Overload protection/low battery alarm/low battery shutdown
- Part **307811CB** has a built-in thermal cooling fan


307791CB

Part No	Description	Peak Surge	AC Output	Dimension	Price
307791CB	75W inverter	200W	115VAC	4.8"L x 1.6"W x 2.4"H	**$26.95**
307811CB	150W inverter	450W	110V ±5VAC	5.0"L x 1.9"W x 2.9"H	**34.95**

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Surge Protectors

TRIPP-LITE isobar®

MADE IN USA



139686CB



74544CB



19001CB

- Up to $50,000 Ultimate Lifetime Insurance covers Isobar and connected equipment against surge damage for life!
- Diagnostic indicators on Ultra versions alert you to improper outlet wiring, loss of AC power, and damage to protection circuitry
- 4 & 6-outlet protectors: 6' cord; 8 and 12-outlet protectors: 12' cord
- UL 1449 and 1283 listed • Lifetime warranty

ULTIMATE LIFETIME INSURANCE

Isobar Premium 19" Rack Mount Surge Protector

Part No.	Product No.	Joules	Description	Wt. (lbs.)	1	10
139686CB	IBAR12RM	750	12 outlet, 2 isolated filters	4.7	$119.95	$107.99

Isobar Premium Surge Protectors

18981CB	ISOBAR 4	2200	4 outlet, 2 isolated filters	2.4	$49.95	$44.95
74544CB	ISOBAR 6 ⊕	2350	6 outlet, 3 isolated filters	2.7	54.95	53.22

Isobar Ultra Premium Surge Protector

19001CB	ISOBAR 8U	2350	8 outlet, 4 isolated filters	3.5	$69.95	$63.74

Standard Surge Protectors

TRIPP-LITE

Economical and effective spike and noise suppression with diagnostic LEDs.



168954CB



124337CB

168954CB: • $5,000 Ultimate Lifetime Insurance
• Up to 27,000 amp spikes • Weight: 1.2 lbs.
124337CB: • $35,000 Ultimate Lifetime Insurance
• Up to 42,000 amp spikes • Weight: 1.6 lbs.

Part No.	Product No.	Joules	1	10
168954CB	Striker 7	480	$8.95	$8.49
124337CB	Super 7	1402	17.95	16.26

6-Outlet Surge Protector



- Standard 6-outlet surge suppressor
- Heavy-duty power cord (14AWG x 3)
- RESET/OFF switch with built-in 15A circuit breaker • Clamping voltage: 400V
- Max. surge dissip.: 900 joules • Max. surge volt.: 6500V • Max. spike cur.: 4500A

Part No.	Description	Weight (lbs.)	1	10	100
216485CB	Surge suppressor	0.9	$6.95	$6.25	$5.59

Integrated Wall Plate Surge Protectors

RCA

- $5,000 surge equipment guarantee • Safe-operation indicator lights
- 2 outlets • Noise-filter • UL/CUL approved

235002CB: Satellite/Cable TV protection
- Cable ready • 670 joules

Includes: 6-foot coaxial cable

234991CB: Modem/Phone/Fax protection
- Internet ready • 410 joules

Includes: 6-foot phone line cord

SALE



Top View

Part No.	Product No.	Size (WxDxH)	Weight (lbs.)	235002CB 1	235002CB 6	234991CB 12
235002CB	SPC300	6.9"x1.0"x10.8"	0.7	$5.95	$5.45	$4.95
234991CB	SPT300	6.9"x1.0"x10.8"	0.7	5.95	5.45	4.95

Compact Surge Protector for Notebook Computers

SL WABER



- Single 3-prong receptacle outlet with telephone modem protection
- 3-prong wall mount type • 210 joule rating
- Surge LED indicator • RFI noise blocker

Includes: 4' RJ11 cord

Part No.	Description	Size	1	10	25
206279CB	Outlet protector	2.3"W x 1.3"D x 3.3"H	$6.95	$6.25	$5.59

Power-Strip-Saver Single Outlet and "Y" Double Outlet

JAMECO ValuePro

A Jameco EXCLUSIVE

Get full use of your power strips and UPS outlets with our high quality power strip outlet saver. You can use all the outlets on your surge suppressors, UPS, and outlet strips. Just plug a bulky power adapter into this cable and free up your other outlets.



Before
4 Outlets Blocked



After
Every Outlet is Usable



"Y" Strip Saver
For extra adapters

- Length: 1 ft. • Cord type: SVT

Part No.	Description	1	10	50
199777CB	AC power cord (black) ⊕	$1.69	$1.55	$1.39
208338CB	AC power cord (beige) ⊕	1.69	1.45	1.09
208346CB	"Y" power-strip-saver ⊕	3.25	3.09	2.89

Battery-Backed UPS System

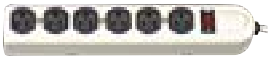
TRIPP-LITE



- Protects your PC, fax/modem and all peripherals against all types of power problems • Up to 45 minutes runtime
- Up to $25,000 Ultimate Lifetime Insurance for connected equipment
- 6-outlets, RJ11 for fax/modem protection • Weight: 16.0 lbs.
- Automatic system shutdown with free PowerAlert software for 500VA and 700VA

Part No.	Product No.	Description	1	10
185130CB	IO500	500VA, 6 outlets	$120.99	$112.89

6-Outlet Surge Protector



- Metal • 3-prong, 4' power cord
- Max. spike current: 4500 amps, 50 joules
- Size: 12.3"L x 2.4"W x 1.3"H • Weight: 1.5 lbs.

Part No.	Description	1	10	100
20175CB	Metal power strip	$9.85	$8.85	$7.85

Power Angel

Sunsonic



- Help to forecast and manage your electric bill
- Monitor AC power quality to protect sensitive instruments
- Choose the correct Uninterruptible Power Supply (UPS) based on the real VA of your equipment
- Use it anywhere with any 120VAC appliance
- Max. voltage: 125V, 50/60 Hz

NEW

Part No.	Description	1	10	25
422158CB	Power Angel ♠	$35.05	$32.20	$30.50

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

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RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Computer Switchboxes

RoHS RoHS Compliant Product ⊕ RoHS Also Available

Color Code Legend: New | Sale | Lower$ | QtySave


Fig. 1


Fig. 2


Fig. 3


Fig. 4

SALE


Fig. 5


Fig. 6


Fig. 7


Fig. 8


Fig. 9


Fig. 10


Fig. 11


Fig.12

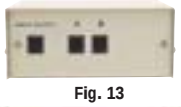

Fig. 13


Fig. 14

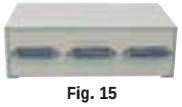

Fig. 15


Fig. 16


Fig. 17


Fig. 18


Fig. 19

KVM Switchboxes

Part No.	Mfr.	Fig.	Mfr. Part No.	Description	Connectors	Size (L" x W" x H")	Wt. (lbs.)	1	10
114155CB	—	1	40H1-14402 ⊕	2-way keyboard / mouse switchbox (2PCs to 1 user)	HDDB15 female / 5-pin DIN female	6.0 x 4.0 x 2.3	1.3	$14.95	$13.49
216063CB	—	2	KS102 ✪ ⊕	2-way KVM switchbox (2PCs to 1 keyboard/mouse/monitor)	PS/2 female for keyboard & mouse, HDDB15 female for monitor. Recommend gender changer P/N 119301CB pg 139 when ordering P/N 204062CB (6 ft. PS/2 cable) see below	4.3 x 3.0 x 1.2	0.6	47.99	43.65
310826CB	—	3	KVM2717	2-way KVM switchbox (2PCs to 1 keyboard/mouse/monitor)	PS/2 female for keyboard & mouse, HDDB15 female for monitor. Requires 9.5VDC@500mA power supply - recommend P/N 100175CB pg 216	4.7 x 4.0 x 1.8	1.5	49.19	46.75
310842CB	—	4	2-PRT KVN-USB	2-way KVM switchbox (2PCs to 1 keyboard/mouse/monitor) 2 USB-A male; 2 3.5mm jack	User connectors: PS/2 female for keyboard & mouse, HDDB15 female for monitor to PC connectors: 2 HDDB15 male for monitor,	2.9 x 2.7 x 1.1	1.5	82.29	78.15
310834CB	—	5	KS104	4-way KVM switchbox (4 PC's to one user)	PS/2 female for keyboard & mouse, HDDB15 female for monitor; Recommend P/N 202180CB pg 162 for power supply	7.4 x 2.9 x 1.3	7.1	112.49	102.26
149391CB	ATEN	6	CS-114A ⊕	4-way KVM switchbox (4 PCs to one user)	DB9 serial female / PS/2 keyboard & mouse (recommend P/N 204062CB for PS/2 cable see below) Includes manual and power supply	10.0 x 7.0 x 3.0	7.1	179.85	162.59
132249CB	—	7	40H1-25602 ⊕	2-user switchbox (1PC to 2 users)	Keyboard (5-pin DIN male); Monitor (DB15HD female); Mouse (DB-9 male). Recommend P/N 114913CB (5-pin M-M cable); P/N 66173CB (DB15HD M-M cable); P/N 132345CB (DB9 F-F cable) pg 103	7.5 x 5.3 x 2.8	1.6	17.95	15.95
79177CB	—	8	40H1-07402 ⊕	2-way keyboard / monitor switchbox (2 users to 1 PC)	HDDB15 female / 6-pin DIN female	6.0 x 4.5 x 2.6	1.3	19.95	17.95
134017CB	—	9	40H1-25604 ⊕	4-user switchbox (1PC to 4 users)	Keyboard (5-pin DIN male); Monitor (DB15HD female); Mouse (DB-9 male). Recommend P/N 114913CB (5-pin M-M cable); P/N 66173CB (DB15HD M-M cable); P/N 132345CB (DB9 F-F cable) pg 104	7.5 x 5.3 x 2.8	2.3	21.95	19.95

Serial-to-PC Switchboxes

✪ Blue Part No. = Limited Quantity Available

79126CB	—	10	40D1-10602 ⊕	2-serial port switchbox	DB9 female (2-ports to 1PC)	6.0 x 4.8 x 2.5	1.2	$9.95	$8.95
183417CB	—	11	— ⊕	4-serial port switchbox	DB9 female (4-ports to 1PC)	6.1 x 4.0 x 2.2	1.3	19.95	17.95

Network-to-Server Switchbox

180099CB	—	12	40R2-01604 ⊕	4-server RJ-45 switchbox	4 RJ45 8P8C female (network devices to 4 servers)	8.0 x 6.1 x 2.2	2	$14.95	$13.49

Fax/Modem/Telephone-to-PC Switchbox

79142CB	—	13	40R1-01602 ⊕	2-PC RJ-11 switchbox	RJ-11 6P6C (fax/modem/telephone to 2PCs)	6.0 x 4.8 x 2.5	1.2	$9.95	$8.95

Parallel Printer-to-PC Switchboxes

20095CB	—	14	40D3-17602 ⊕	2-port switchbox	DB25 female (2PCs to 1 printer)	6.0 x 5.8 x 2.3	1.4	$8.95	$7.95
155512CB	—	15	CURTIS DS3 ✪	2-port switchbox	DB25 female (2PCs to 1 printer) includes 25' DB25 M-M cable	7.2 x 4.9 x 2.5	2.3	3.79	3.44
20124CB	—	16	40D3-17604 ⊕	4-port switchbox	DB25 female (4PCs to 1 printer)	6.0 x 4.0 x 2.4	1.5	14.95	13.49
177412CB	ATEN	17	AS-451P ⊕	4-port auto switchbox	DB25 female (4PCs to 1 printer)	—	0.5	6.49	5.85
289211CB	—	18	25F6	6-port switchbox	DB25 female (6PCs to 1 printer)	7.6 x 6.0 x 2.5	2.2	23.15	20.85

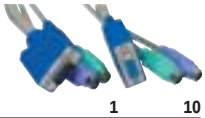
USB-to-PC Switchbox

✪ Blue Part No. = Limited Quantity Available

310818CB	—	19	USB-2P0RT	2-way USB switchbox	1 USB-B female; 2 USB-A female	5.1 x 3.7 x 1.8	2.5	$26.19	$24.89

PS/2 Cable

- Use with P/Ns 216063CB & 149391CB above



Part No.	Description	1	10
204062CB	6' PS/2 cable	$16.95	$15.29

Digital Video Interface Cable

- DVI cable for flat panel LCD monitors and high-end video graphics cards
- Connector: DVI-D single link type
- Length: 6'



Part No.	Description	1	10	100
320346CB	DVI cable ⊕	$13.45	$12.69	$11.99

Mid-Tower Computer Cases

- Classic design
- Easy access side panels
- Excellent cooling options
- Includes power supply
- Perfect for the gamer and enthusiast

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.



NEW ON THE WEB

See Our Complete Computer Case Offering at www.Jameco.com/Prod/PCCases

ATX Vertical Full Tower Case

SALE

- Slide-off side panel access
- LED indicators for power and HDD activity
- Front panel reset switch and power switch
- Internal 8Ω speaker
- 5 exposed 5.25" bays, 3 exposed 3.5" bays, 2 internal 3.5" bays
- Size: 7.5"W x 16.8"D x 24.5"H
- Weight: 25 lbs.



Part No.	Description	1	10
292066CB	ATX full tower	$33.39	$30.34

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Short Haul Modem



- Up to 38,400 baud
- Will communicate over 6.3 miles of cable
- No external power required
- DCE/DTE selectable
- Xon-Xoff or hardware handshaking
- RS-232 interface (DB25 female)

ATEN

Part No.	Description	1	10	25
116581CB	Short haul modem ⊕	$29.95	$26.95	$23.95

External 56kbps Fax/Modem with Digital Answering Machine



- Digital telephone answering machine with voice mail system
- RS-232 (DB9 female) interface
- Modem speed: 300-56000bps
- Error correction: ITU-T V.42, MNP2-4
- Data compression: ITU-T 1.42bis, MNP5
- Flow control: RTS/CTS, Xon/Xoff
- Fax/modem line speed: 2400~14400bps
- Standard compatibilty: ITU-T V.17, V.27 ter, V.29
- Command set: Class 1, 1.0, 2 and associated AT command sets • Size: 6.3"L x 4.0"W x 1.3"H

System requirements: Pentium® or PC compatible with 16MB of memory, available RS-232 slot; Windows® 9x/ME/NT4.0/2000/XP

Includes: RS-232 cable (DB25/DB9 female to DB9 male); phone cord, 9VAC@1A power supply, CD-ROM drivers and manual

Part No.	Description	1	10
216493CB	Serial modem (Rockwell)	$39.35	$35.79

USB Fast Ethernet Adapter



- Plug and Play
- IEEE802.3 (10 BaseT) and IEEE802.3 (100 BaseT) specification compatible
- USB Rev 1.0 and 1.1 compatible
- Supports OHCI and UHCI • Self-powered
- 1 upstream USB port and RJ-45 port
- Supports Windows® 98/ME/2000/XP

Part No.	Description	1	5	10
310797CB	USB-Ethernet Adapter	$21.69	$19.55	$17.55

USB Modem Adapter



This UC-232 USB serial modem adapter provides an external plug and play RS232 modem connection for PCs, notebooks, laptops, and handheld computing devices that support the USB specification.

- Data transfer rate: determined by modem
- Power consumption: 90mA
- Power mode: bus powered
- Size: 3.2"L x 2.2"W x 0.9"H

Includes: DB-25 male connector and USB type A cable

Part No.	Description	1	10
355696CB	USB modem adapter	$15.45	$13.95

UTP Ethernet Cable Tester



- Connector type: RJ45 8P8C
- System used: 258A, 356A, AT&T/Ethernet 10BaseT
- Miswire, open, short tests

Requires: 9V battery (recommend P/N 151095CB, pg 225)

Includes: Zipper case

Part No.	Size (L x W x H)	1	10
115895CB	4.5" x 2.5" x 1.3" ⊕	$29.95	$26.95

Modular Cable Tester



Easily read correct pin configuration of 10baseT, 10base2, RJ45 / RJ11 modular cables, 258A, TIA568A / 568B, token ring, etc.

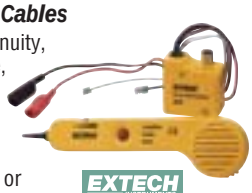
- Check for cable continuity, miswiring, open, short, grounding, and pin configurations
- One-year warranty
- Cable adapters: RJ45 M-M, 2 RJ45M-BNCM & BNC F-F
- On-board conn.: 2 RJ45F (tester) & 1 RJ45F (remote)
- Size: 4.0"L x 2.5"W x 1.0"H (Main console)
- Size: 4.0"L x 1.3"W x 1.0"H (Remote)

Includes: Manual and test cables

Part No.	Description	1	10
145710CB	Modular cable tester ⊕	$84.95	$76.49

Tone Generator & Amplifier Probe

For Tracing Wires & Cables



- Tests wire trace, continuity, clear/busy/ringing line, tip/ring identification
- Insulated inductive probe tip prevents shorting conductors
- Selectable continuous or variable tone generation
- Output jacks for both headphones and handsets

EXTECH INSTRUMENTS

Includes: Alligator test leads, modular phone connector cables, 9V battery, and carrying pouch

Part No.	Description	1	10
198002CB	Tone gen. & amp. probe	$79.95	$71.95

Net Toner and Probe Kit



With testing functions such as sending tones, verifying lines, indicating line conditions, identifying tip and ring, providing "talk" battery and testing continuity, you can use this kit on single conductor, twisted pairs, coaxial cables, and non-energized electrical wiring. Connections include alligator clips, RJ45 jacks and RJ12 plugs.

Includes: Padded zipper case w/ belt loop & spare tips

Part No.	Description	1	5
227897CB	Net toner & probe kit ⊕	$69.85	$63.50

Network and CATV Cable Tester



Continuity tester for twisted pair cables and F-type coax cables.

- Tests for shorts, opens, miswires, and reversals
- Tests EIA/TIA568A and 568B, 10Base-T • Shield detection test
- "F" connector for troubleshooting CATV and coaxial installations • Size: 3.25"H x 2.0"W x 1.25"D
- Tests installed wiring and jumper cables, shielded or unshielded twister pair cables (CAT5e / CAT5 / CAT4 / CAT3) • Includes 2 AAA batteries
- Tests cable lengths from 3 ft. to 600 ft.

EXTECH INSTRUMENTS

Part No.	Product No.	NEW	Price
645634CB	CT100		$28.49

LANtest Network and Modular Cable Tester



- Tests 10Base-T, 10Base-2 thin ethernet cable, RJ45/RJ11 modular cables, 356A, TIA568A/ 568B and token ring cable, etc.
- Easy to verify cable continuity, open, short and miswire
- Can test the grounding
- Power switch provided for saving battery power

NEW

Part No.	Product No.	1	10	50
615136CB	45-5767-0000 ♠	$115.79	$104.24	$93.82

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Telephone Ringing Generator



Switching inverter that produces low-frequency alternating current to signal telecom ringers or equivalents.

- Series resistor: 300Ω
- Nominal output voltage: 86Vrms
- No reverse polarity protection • Frequency: 20Hz

Black Magic

Part No.	Product No.	1	10	25
145816CB	LBMR12	$26.95	$24.49	$21.95

Bidirectional Non-Buffered Serial-to-Parallel Converter



- Bidirectional conversion of parallel and serial signals
- Serial interface: hardware handshake RTS/CTS, software handshake Xon/Xoff; DCE/DTE selectable; parity: odd, even, or no parity; data bits: 7, 8
- Connectors: one DB25 female and one Centronics 36-pin male • Stop bits: 1 or 2
- Baud rate: 300 to 38,400bps • Weight: 0.8 lbs.
- Size: 4.0"L x 2.5"W x 1.0"H • One-year warranty

ATEN

Includes: AC adapter (9VAC @ 200mA) and manual

Part No.	Description	1	10	25
116935CB	Bi-converter ⊕	$49.95	$44.95	$39.95

Bidirectional Serial-to-Parallel Converter

115.2kbps, 512kB Buffer



- One DB25 female connector, one Centronics 36-pin male connector
- Fully compatible w/ Win® 95
- Baud rate: 300bps – 115,200bps
- FCC class A certified, CE certified
- LED indicator for parallel busy status • Weight: 0.8 lbs.
- DCE/DTE selectable • Size: 3.8"L x 2.4"W x 1.0"H
- Stop bits: 1 or 2 • One-year warranty

Includes: 9VAC @ 200mA adapter

Part No.	Description	1	10
182983CB	Serial/parallel converter ⊕	$48.49	$44.95

Jameco's Got the Docs

We offer free technical documents for most of the products we carry.
Find them easily on the product specification pages at www.Jameco.com.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

IBM® 8-Port Ethernet Hub



Although designed to the exacting standards of IBM for use in large corporate networks, its price and easy setup make it perfect for small office or home office use. Compatible with all standard STP, UTP, and FTP cables. Can be cascaded to support larger networks via the MDI (uplink) port.

- Size: 8.7"W x 5.3"D x 1.1"H • Weight: 1.7 lbs.

Part No.	Description	1	10
226149CB	8-port hub	$44.95	$39.95

NETGEAR® 4-Port Firewall Router

11Mbps Cable/DSL



This true firewall is broadband capable, and provides you with the utmost in business class security – Denial of Service (DoS) protection and Intrusion Detection using Stateful Packet Inspection (SPI), URL access and content filtering, logging, reporting, and real-time alerts. Up to 253 users can access your broadband connection at the same time.

- Size: 7.4"W x 4.9"D x 1.3"H
- Weight: 1.8 lbs.

SALE

Includes: 10' CAT5 cable, power adapter, user guide & CD-ROM software

✪ Blue Part No. = Limited Quantity Available

Part No.	Description	Price
233331CB	11Mbps cable/DSL firewall router ✪	$60.35

AUI/10BaseT Transceiver



Provides connectivity with work stations equipped with AUI ports to 10BaseT ethernet local area network. Switch selectable SQE (signal quality error)/"Heartbeat Test" to detect collision.

- IEEE 802.3 10BaseT compliancy
- 4 LED indicators for receive, transmission, collision and link
- AUI 15-pin RJ45 connector
- Size: 2.3"L x 1.7"W x 0.8"H • Weight: 0.2 lbs.

SALE

Part No.	Description	1	10
215917CB	Ethernet transceiver	$20.39	$18.55

External 3-Port USB Thumbhub



Expand your single USB port to a stacked 3-port thumbhub.

- USB Revision 1.1 compliant
- LED indicators uplink/down port communication, and OCP status
- Supports full speed (12Mbps) and low speed (1.5Mbps) transfer rate
- Self-powered mode
- Compatible with Windows® 98/98SE/2000/ME/MAC OS8.5
- Size: 3.1"L x 0.8"W x 1.2"H



Part No.	Description	1	10
208451CB	3-port thumbhub ⊕	$12.49	$11.49

intel Network Adapters

NEW ON THE WEB



Server Adapters

PRO Server adapters are compatibility tested, and come in a broad range from 10/100 Mbps to 10 Gbps, for copper or fiber, from PCI to PCI Express, in single- to quad-port configurations.

Desktop Adapters

Award-winning line of Ethernet, Fast Ethernet and Gigabit Ethernet desktop adapters. Choose from a variety of adapters designed to extend Gigabit Ethernet performance to the desktop, enhance desktop management and provide flexible connectivity for your legacy PCs.

Wireless Adapters

PRO/Wireless Network Connection is the integrated Wireless LAN (WLAN) solution for Intel® Centrino™ mobile technology. The Intel PRO/Wireless Network Connection works in concert with the other Intel Centrino mobile technology components to provide freedom and flexibility to work and play on the go without hunting for a phone jack, network cable, or plugging in a special card.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Intel Networking Offering at www.Jameco.com/Prod/IntelNetwork

LINKSYS® Networking Products

Wired & Wireless

- Routers
- Adapters
- Acess Points
- Expanders
- Ethernet Bridge
- Network Kits
- Switches
- Bluetooth

NEW ON THE WEB



These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrueseparate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Linksys Network Offering at www.Jameco.com/Prod/LinksysNetwork

Networking Products

Encore Modems

Built with an advanced Smart Link chipset and features a complete system design that provides data faxing and TAM for 56k dial-up internet access.

NEW ON THE WEB

Wintec Embedded Modems



Modules can easily be integrated into a host and can provide a low cost communication link to the outside world. They are programmable to meet international telephone line interface requirements.

Bytecc Bluetooth

Bluetooth USB Adaptor is an external adaptor enabling Notebook and Desktop PC through USB interface to communicate wirelessly with other Bluetooth enabled devices.

Edimax Network Switches



Switches for improving the performance of small network or solution for the most powerful high speed network.

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrueseparate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Network Product Offering at www.Jameco.com/Prod/NetworkProducts

ATEN RS-232 to RS-485/422 Bidirectional Converters



117701CB

Now a European Version!

- Cable length: 4000' max.
- Data rate: 1MB/second
- Controlled by RTS signal
- 4-wire full duplex or 2-wire half duplex
- DCE and DTE selectable
- Point-to-point and multidrop operations
- RS-232: DB25 female connector
- RS-485: terminal block and RJ11 connections
- Input: 110VAC; except P/N 129218CB 220VAC input
- Weight: 0.9 lbs. • One-year warranty

197931CB: port powered (power adapter not included)

- Data rate: 100kbps

122956CB: features RS-485SI; optical isolation: 2000V

129218CB: features 220VAC input

Includes: 9VDC @ 300mA power adapter

Part No.	Description	1	10
117701CB	RS-232-485/422 ⊕	$57.95	$51.95
197931CB	RS-232-485/422 ⊕	69.95	62.99
122956CB	RS-232-485/422 OPT ISO ⊕	119.99	107.99
129218CB	RS-232-485/422 (220 VAC) ⊕	42.95	36.95

4-Port Ethernet Wireless Router

NEW



- 54Mbps data rate supported
- 10/100 Base-T ethernet
- Configures as DHCP server to automatically assign IP address
- 802.11g technology and backward compatible to 802.11b • Wi-Fi protected access
- Legacy 64-bit and 128-bit WEP encryption
- Size: 6"W x 6"D x 1"H

Includes: Quick start guide, base stand, 12VDC @ 500mA power supply and CD-ROM

Part No.	Product No.	1	5
618038CB	WR850G	$49.95	$44.95

USB 2.0 Docking Station



- Connects via USB-A port to your laptop
- Size: 4.8"W x 2.5"D x 1.0"H

System Requirements:

NEW

- PC with minimum 75MHz Pentium or equivalent; 16MB of RAM minimum, available USB-A port, Windows® 98 or later

Part No.	Product No.	1	5
527822CB	USB 2.0 dock	$35.99	$34.49

Computer

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Wall Mount Patch Panel Brackets*



When minimal space is required, APW's heavy-duty 14 gauge steel wall mount patch panel brackets are a great alternative to full size racks. Designed for 19" EIA equipment, the brackets' hinged design allows convenient wall mounting of patch panels and small equipment while saving valuable floor space. Select from a variety of sizes to best suit your needs.

- Available in 4 heights (1U, 2U, 3U, 4U), 1 width (19.0"), and 4 depths (4", 6", 8", and 12")
- Universal inserts provide the option to use either 10-32 or 12-24 mounting screws

Part No.	Product No.	External Height	Ext./Overall Depth	1	5
350232CB	WPB190106M	1.75", 1U	6.0"	**$19.65**	**$18.65**
350235CB	WPB190304M	3.50", 2U	4.0"	**24.89**	**23.65**
350238CB	WPB190306M	3.50", 2U	6.0"	**25.45**	**24.15**
350241CB	WPB190308M	3.50", 2U	8.0"	**25.59**	**24.29**
350244CB	WPB190312M	3.50", 2U	12.0"	**27.55**	**26.15**
350247CB	WPB190504M	5.25", 3U	4.0"	**27.29**	**25.95**
350250CB	WPB190506M	5.25", 3U	6.0"	**28.35**	**26.95**
350253CB	WPB190508M	5.25", 3U	8.0"	**28.65**	**27.19**
350256CB	WPB190512M	5.25", 3U	12.0"	**30.75**	**29.19**
350259CB	WPB190704M	7.00", 4U	4.0"	**29.95**	**28.45**
350262CB	WPB190706M	7.00", 4U	6.0"	**30.99**	**29.45**
350265CB	WPB190708M	7.00", 4U	8.0"	**31.25**	**29.69**
350268CB	WPB190712M	7.00", 4U	12.0"	**33.69**	**32.05**

Modular Networking Frames*



APW's modular networking frames offer an economical solution to your rack-mount storage needs at a fraction of the cost of a fully enclosed cabinet. Designed with APW's renowned quality and stability, these racks are ideal for mounting electric test equipment, patch panels, Datacom and telecom equipment, and other cabling and rack-mount peripherals.

- Heavy-duty aluminum extruded upright channels, and top & base angles are packaged in an easily assembled unit
- 12-24 tapped 19" EIA mounting holes
- Overall width: 20.18"
- UL listed
- Offered in 47" and 84" heights only

350190CB: 24U • Overall height: 47.25"
350193CB: 45U • Overall height: 84"

Part No.	Product No.	Vertical Opening	Rack Units	1	5
350190CB	MNFT1942DM	42.00"	24U	**$137.95**	**$131.05**
350193CB	MNFT1978DM	78.75"	45U	**171.95**	**163.39**

*To minimize shipping costs, all APW products ship direct from the manufacturer. Additionally, Jameco can offer the special shipping rate of 10% of total APW product sales for all APW products.

Pioneer Quicksilver Rack Mount Enclosure Kits*



Initial Unit



Add-on Unit

Just plug it in and load it up! It's that easy with the Pioneer Quicksilver, the industry's first enclosure clustering solution. Quicksilver provides easy installation and reconfiguration of multiple 19" rack mount equipment as well as hubs, concentrators, switches, and other hardware, all within one enclosure. Available in 3 heights – 25U, 40U, and 45U. Use one simple easy-to-order item number to order your fully pre-configured enclosure system. All kits include base with leveler feet, top panel with exhaust fans and cable access (Lexan front door and vented rear door with handles and key locks), 2 pairs of 10-32 tapped 19" cable management mounting rails (front rails include cable management rings), over head interior light, six outlet power strip, one fixed shelf, document storage pocket, and mounting hardware.

- Load capacity up to 1,500 lbs. or 2,000 lbs. when ganged together
- Easy access from the front, rear, and sides
- Fully welded steel construction
- Compatible with all standard APW Pioneer options and accessories

Initial Unit

Part Number	Product Number	Vertical Panel Opening	Overall Height	Rack Units	Overall Depth	Side Panels	1	5
350049CB	PDC1904330KITM	43.75"	52.50"	25U	34.65"	Vented	**$2,073.19**	**$1,969.53**
350052CB	PDC1907030KITM	70.00"	78.75"	40U	34.65"	Vented	**2,183.39**	**2,074.25**
350055CB	PDC1907830KITM	78.75"	87.50"	45U	34.65"	Vented	**2,281.05**	**2,166.99**

Add-On Unit

Part Number	Product Number	Vertical Panel Opening	Overall Height	Rack Units	Overall Depth	Side Panels	1	5
350058CB	PDC1904330KITNSM	43.75"	52.50"	25U	34.65"	None	**$1,734.15**	**$1,647.45**
350061CB	PDC1907030KITNSM	70.00"	78.75"	40U	34.65"	None	**1,811.75**	**1,721.15**
350064CB	PDC1907830KITNSM	78.75"	87.50"	45U	34/65"	None	**1,873.69**	**1,780.05**

Pioneer Pre-Configured Rack Mount Enclosures*



Monitor Not Included

APW's series of Pioneer Datacom Kits enables you to order pre-configured enclosures with one easy-to-order item number. Available in four different kit combinations to best suit your needs, each series offers an initial unit and a corresponding add-on unit for multi-bay configurations. Pioneer Datacom kits provide 42U of vertical 19" rackmount space and come in depths of 36" and 42". The kits include a base with leveler feet, top panels that include cable access, doors with handles and key locks, clip nuts, cage nuts, and mounting screws.

- Four different kits to meet your requirements – all with two pairs of 0.375" square hole adjustable mounting rails
- 24" wide footprint
- Fully welded steel construction
- Load capacity of up to 1,500 lbs. or 2,000 lbs. when ganged together
- Multi-vendor server compatibility
- Easy access to equipment from front, rear, and sides
- Compatible with all standard APW Pioneer options and accessories

Initial Unit kits

Part No.	Product No.	Frame Size (D")	Top Panel	Front Door	Rear Door	Side Panels	1	5
350001CB	PK124MS7436	36	Perforated	Lexan	Perforated	Solid	**$1,515.25**	**$1,439.49**
350004CB	PK124MS7442	42	Perforated	Lexan	Perforated	Solid	**2,095.25**	**1,990.49**
350007CB	PK224MS7436	36	Fan	Lexan	Perforated	Solid	**1,799.99**	**1,710.25**
350010CB	PK224MS7442	42	Fan	Lexan	Perforated	Solid	**3,433.25**	**2,311.59**
350013CB	PK324MS7436	36	Perforated	Perforated	Perforated	Solid	**1,831.89**	**1,740.29**
350016CB	PK242MS7442	42	Perforated	Perforated	Perforated	Solid	**1,896.79**	**1,801.95**
350019CB	PK424MS7436	36	Perforated	Perforated	Perforated	Perforated	**1,871.79**	**1,778.19**
350022CB	PK424MS7442	42	Perforated	Perforated	Perforated	Perforated	**1,918.75**	**1,822.79**

Add-On Units (no side panels)

Part No.	Product No.	Frame Size (D")	Top Panel	Front Door	Rear Door	Side Panels	1	5
350025CB	PA124MS7436	36	Perforated	Lexan	Perforated	None	**$1,644.45**	**$1,562.25**
350028CB	PA124MS7442	42	Perforated	Lexan	Perforated	None	**1,686.35**	**1,602.05**
350031CB	PA224MS7436	36	Fan	Lexan	Perforated	None	**1,982.55**	**1,883.45**
350034CB	PA224MS7442	42	Fan	Lexan	Perforated	None	**2,024.35**	**1,923.15**
350037CB	PA324MS7436	36	Perforated	Perforated	Perforated	None	**1,445.99**	**1,373.69**
350040CB	PA324MS7442	42	Perforated	Perforated	Perforated	None	**1,487.89**	**1,413.49**
350043CB	PA424MS7436	36	Perforated	Perforated	Perforated	None	**1,445.99**	**1,373.69**
350046CB	PA424MS7442	42	Perforated	Perforated	Perforated	None	**1,487.89**	**1,413.49**

Digital Input/Output Board TTL Level



PCI Bus

- Output: 2.5mA @ 0.45V sink, 2.5mA @ 2.4V source
- 24-bit digital I/O
- Three 8-bit ports

Includes: InstaCal: installation & test utilities software

Part No.	Product No.	1	10
197827CB	PCI-DIO24 ⊕	$88.95	$85.95

PCI GPIB IEEE-488.2 Board



PCI Bus

- 1 MB/s transfer rate
- 1024 word FIFO buffer
- 7 interrupt lines, shared interrupt capability
- IEEE 488.2 standard interface
- Complete talker/listener/controller
- Transparent interrupt enabling/disabling

Part No.	Cross Ref. No.	1	10
177121CB	PCI-GPIB-1M ⊕	$398.95	$358.95
73154CB	IEEE-488 1 meter cable ⊕	36.49	32.79
115781CB	IEEE-488 2 meter cable ⊕	37.95	34.19
115801CB	IEEE-488 4 meter cable ⊕	38.95	36.19

Complete Embedded Ethernet and Internet Book



Lakeview Research Learn about networking with embedded systems. Topics include networking basics, hardware options in building a network, using internet protocol in local and internet communications.(482 pages, 2003)

- Size: 7.0" x 9.0"
- Weight: 1.7 lbs.

Part No.	Description	Price
236945CB	IC Design Projects Book	$44.95

Lowest Price Guarantee



Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost.

Server Chassis

intel

Intel® Server Chassis



Designed and validated for easy, cost-effective integration. A full line-up of pedestal and rack-optimized chassis are available to meet your customers' diverse needs.

NEW ON THE WEB

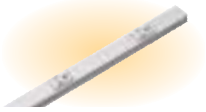
Additional Server Chassis available from SuperMicro, Evercase and Winec

Also available Intel Slim Line Drives

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Computer Case Offering at www.Jameco.com/Prod/ServerChassis

Standard Vertical Mount Power Strips*



- Voltage rating: 125V
- Cord length: 15 feet

Part No.	Product No.	Amps	No. of Receptacles	Plug Type	Dimensions (L"xD"xW")	Breaker	1	5
350133CB	EPS4015	15	6	5-15P Standard	40 x 0.8 x 1.3	No	$116.85	$110.99
350136CB	EPS6015	15	10	5-15P Standard	60 x 0.8 x 1.3	No	121.85	115.75
350139CB	EPS6015T	15	10	L5-15P Twistlock	60 x 1.2 x 2.0	No	135.95	129.15
350142CB	EPS6020	20	12	5-20P	60 x 1.2 x 2.0	No	136.95	130.15
350145CB	EPS6020T	20	12	L5-20P Twistlock	60 x 1.2 x 2.0	No	149.05	141.59
350148CB	EPS4015I	15	6	5-15P Standard	40 x 0.8 x 1.3	No	118.85	112.89
350151CB	EPS6015I	15	10	5-15P Standard	60 x 0.8 x 1.3	No	123.89	117.69
350154CB	EPS6615	15	20	5-15P Standard	66 x 1.25 x 1.75	Yes	151.05	143.49
350157CB	EPS6615T	15	20	L5-15P Twistlock	66 x 1.25 x 1.75	Yes	161.15	153.09
350160CB	EPS6620	20	20	5-20P Standard	66 x 1.25 x 1.75	Yes	201.45	191.35
350163CB	EPS6620T	20	20	L5-20P Twistlock	66 x 1.25 x 1.75	Yes	211.49	200.89

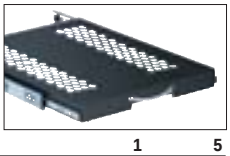
Standard 19" Rackmount Power Strips*



- Voltage rating: 125V
- Cord length: 15 feet

Part No.	Product No.	Amps	No. of Receptacles	Plug Type	Dimensions (L"xD"xW")	Breaker	1	5
350166CB	EPS1620	20	6	5-20P Standard	1.75 x 5 x 19	No	$115.85	$110.05
350169CB	EPS1620T	20	6	L5-20P Twistlock	1.75 x 5 x 19	No	130.95	124.39
350172CB	EPS20RM	20	6	5-20P Standard	1.75 x 5 x 19	Yes	120.85	114.79
350175CB	EPS20RMS	20	6	5-20P Standard	1.75 x 5 x 19	Yes	166.15	157.85
350178CB	EPS20RMT	20	6	L5-20P Twistlock	1.75 x 5 x 19	Yes	135.95	129.15
350181CB	EPS15RXS	15	10	5-20P Standard	1.75 x 5 x 19	Yes	159.15	151.15
350184CB	EPS15RMS	15	6	5-20P Standard	1.75 x 5 x 19	Yes	114.79	109.05
350187CB	EPS15RDS	15	8	5-20P Standard	1.75 x 5 x 19	Yes	173.25	164.55

Full Depth Sliding and Fixed Shelves*



4-point mounting

- 19" rack mountable
- Black

Fixed Shelves

Part No.	Product No.	Description	Type	Depth	1	5
350097CB	ES1919	Medium duty, 100 lbs. capacity	Vented	19.25"	$53.55	$50.89
350100CB	ES1924	Medium duty, 100 lbs. capacity	Vented	24.00"	58.79	55.85
350103CB	ES1928	Medium duty, 100 lbs. capacity	Vented	28.00"	64.05	60.85
350106CB	HDES1919	Heavy duty, 400 lbs. capacity	Vented	19.25"	99.75	94.75
350109CB	HDES1924	Heavy duty, 400 lbs. capacity	Vented	24.00"	125.99	119.69
350112CB	HDES1928	Heavy duty, 400 lbs. capacity	Vented	28.00"	141.75	134.65

Roll-Out Shelves

Part No.	Product No.	Description	Type	Depth	1	5
350115CB	SS1919	Medium duty, 75 lbs. capacity	Vented	19.25"	$141.75	$134.65
350118CB	SS1924	Medium duty, 75 lbs. capacity	Vented	24.00"	157.49	149.59
350121CB	SS1928	Medium duty, 75 lbs. capacity	Vented	28.00"	188.95	179.55
350124CB	HDSS1919	Heavy duty, 150 lbs. capacity	Vented	19.25"	157.49	149.59
350127CB	HDSS1924	Heavy duty, 150 lbs. capacity	Vented	24.00"	173.25	164.55
350130CB	HDSS1928	Heavy duty, 150 lbs. capacity	Vented	28.00"	206.85	196.49

Rack Mountable Exhaust Fan

Part No.	Product No.	Voltage	CFM	Size	1	5
350211CB	WCF110	115V	110	6.77"Dia x 1.5"D	$102.89	$97.75

Floor Attachments and Casters*



Part No.	Product No.	Description	1	5
350067CB	ANCHORKT	Anchor kit for vertical rack mount enclosures, set of 4, black	$38.85	$36.89
350070CB	ANTIPKT	Anti-tip plate for vertical rack mount enclosures, black	44.09	41.89
350073CB	CST1	Swivel caster, black, supports 270 lbs.	13.65	12.99
350076CB	CST1KT	Swivel caster kit, set of 4, black, supports 1080 lbs.	52.49	49.89

*To minimize shipping costs, all APW products ship direct from the manufacturer. Additionally, Jameco offers a special shipping rate for all APW products that's equal to 10% of the total APW product sales price.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Mini-Max Wall Mount Enclosures*



APW's Mini-Max Wall Mount Enclosures are the perfect storage solution for today's demanding, space-constrained applications. Convenient and flexible, these 19" EIA rack-mount enclosures allow you to manage and secure critical network wiring, hubs, concentrators, routers, patch panels, and audio/video equipment in a minimum amount of space. Offered in a variety of sizes with door and ventilation options, Mini-Max delivers the perfect combination of form and functionality for virtually any application.

- Available in 3 heights (12U, 20U, and 26U), 1 width (21.50", 19" rack-mount) and 2 depths (14" and 20")
- Dual-tapped and field-reversible 10-32 and 12-24 mounting rails (1 pair per cabinet) • Vented

Part Number	Product Number	Door Type	Vertical Panel Opening	Overall Height	Usable Depth	Overall Depth	1	5
350196CB	WCF192114PLM	Plexiglas	21.00"	23.13"	14.00"	20.16"	$505.69	$480.39
350199CB	WCF192114SLM	Solid metal	21.00"	23.13"	14.00"	20.16"	451.49	428.95
350202CB	WCF192120PLM	Plexiglas	21.00"	23.13"	20.00"	26.16"	556.25	528.39
350205CB	WCF193520PLM	Plexiglas	35.00"	37.13"	20.00"	26.16"	690.05	655.55
350208CB	WCF194520PLM	Plexiglas	45.50"	48.13"	20.00"	26.16"	824.29	783.05

Swing Out™ Wall Mount Rack for Mini-Max Wall Mount Enclosures*

Convenient and flexible Swing Out™ racks come with a variety of standard features, including integrated strain relief and cable management; quick release hinges that allow the rack to swing open from either left or right; and exclusive 3" deep rack style rails tapped 12-24 on the front and rear for 19" EIA rack-mount equipment.

- Overall height: 18.0" • External width: 20.75" • Color: black

Part No.	Product No.	Vertical Panel Opening	Rack Units	External Height	1	5
350223CB	SO191218	21.00"	12U	23.92"	$180.25	$171.25
350226CB	SO192018	35.00"	20U	37.92"	199.75	189.75
350229CB	SO192518	43.75"	25U	46.67"	213.89	203.19

Cabinet Mounting Plate for 19" Cabinet



- Use as industrial chassis mounting plate for servers, PCs or patch panels
- Made of industrial grade steel and aluminum
- Size: 19.0"W x 15.8"D x 3.5"H
- Color: beige

Part No.	Description	1	10
149500CB	Cabinet mount plate ⊕	$39.95	$35.95

19" Rack Mount Drawer with Keyboard and Trackball



- Occupies a single unit (IU) rack space
- PS/2 connector for keyboard and trackball
- Color: gray
- Weight: 18 lbs.
- Size: 19"W x 13"D x 2.8"H

Includes: Wrist pads, module, PS/2 to 5-pin DIN and PS/2 to 9-pin adapters, and software

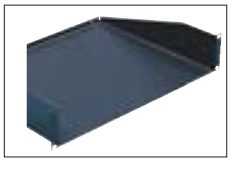
Part No.	Description	1	10
220644CB	Rack mount KB drawer ⊕	$249.99	$234.99

Universal Wall Mounting Rail Kits for Mini-Max Wall Mount Enclosures*

- Comes in pairs
- Color: black

Part No.	Product No.	VPS	Rack Units	1	5
350214CB	WCRK21M	21.00"	12U	$37.05	$35.15
350217CB	WCRK35M	35.00"	20U	45.55	43.25
350220CB	WCRK45M	45.50"	26U	55.09	52.35

Cantilevered Shelves*



Front mount only

- 19" rack mountable
- 50 lb. capacity
- PS: 3.50"
- 2U rack unit
- Color: black

Part No.	Product No.	Type	Depth	1	5
350079CB	CS1912S	Solid	12.50"	$42.09	$39.99
350082CB	CS1914S	Solid	14.50"	48.25	45.85
350085CB	CS1919S	Solid	19.00"	56.45	53.65
350088CB	CS1912V	Vented	12.50"	53.35	50.69
350091CB	CS1914V	Vented	14.40"	60.55	57.55
350094CB	CS1919V	Vented	19.00"	64.65	61.45

19" Rack Mount Enclosures



Perfect for equipment setup in home, studio or laboratory.

- Ventilation holes on all sides
- Front and back panels are steel w/ aluminum, pre-punched face plates
- Front panel: 0.12" thick
- Black front panel
- Top, bottom, sides durable 0.035" steel
- All enclosures have handles except P/N 132812CB

Includes: Mounting screws

Part No.	Dimensions (In.) H1	H2	D	Weight (lbs.)	Pricing 1	10
132812CB ⊕	1.73	1.25	9.75	6.2	$39.95	$35.99
132821CB ⊕	3.46	3.00	9.75	7.9	47.95	43.49
132839CB ⊕	3.46	2.88	11.75	9.1	53.95	48.59
132847CB ⊕	5.22	4.75	11.75	10.6	63.95	55.99
132855CB ⊕	5.22	4.75	13.50	11.8	73.95	66.95
132863CB ⊕	8.56	8.00	13.50	15.4	94.95	84.95

19" Rack Mount CAT 5 Patch Panels

SALE

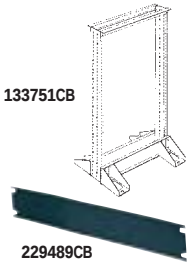


208784CB

Our CAT 5 patch panels feature 110D punch blocks that are compatible with KRONE or 110D tool. UL and CUL listed and certified, CAT 5 certified and can be used with T568 A/B installations. Blocks are color coded for T568 color-coding, and easy wire management.

Part No.	Description	1	10
208768CB	12-port patch panel ⊕	$28.99	$27.55
208784CB	24-port patch panel ⊕	42.75	39.95

Relay Rack & Rack Panels



133751CB

229489CB

Rack:

- Black powder coat finish
- 10-32 threaded holes
- Used with 19" wide panels
- 16 gauge CRS base
- 1/8" aluminum side rails
- Size (at base): 19.8"W x 15.3"D x 84"H
- Dimensional weight: 70 lbs.

19" Wide Panel:

- 10-gauge black steel

Rack screw:

- 10/32 screw; 5/8" phillips head (50 ea.)

Part No.	Description	Height	1	10
133751CB	Relay rack ⊕	84"	$159.95	$144.95
229489CB	Rack panel (2U) ⊕	3.50"	10.95	10.35
229500CB	Rack panel (4U) ⊕	7.00"	14.55	13.55
229446CB	Rack screw (50 ea.) ⊕	—	8.25	7.45

*To minimize shipping costs, all APW products ship direct from the manufacturer. Additionally, Jameco offers a special shipping rate for all APW products that's equal to 10% of the total APW product sales price.



Looking For Other APW Products?

Give us a call for access to APW's PFT Datacom, Stantron Audio/Video, EMI Security and Vero Electronics products.



www.Jameco.com

Our enhanced website offers 15,000 additional products. Find them quickly and order them easily!

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

E-Mail Desktop Microphone

Add your voice to e-mail messages, with the touch of a button!



This revolutionary desktop device will change the way you use e-mail! Simply press a button and speak into the omnidirectional condenser mic, and the technology does the rest. Included software facilitates file-management, and an optional add-on will even make an MP3 file from your words!

Part No.	Description	Price
315070CB	E-mail desktop microphone ⊕	$41.95

Digital USB Voice Recorder

Pocket "secretary" captures all your great ideas.



Once you begin to use this sleek, feature & accessory-packed tapeless recorder, you'll wonder how you ever got along without it. Record up to 396 addressable messages totaling 9 hours (SP) or 18 hours (LP). They can be meetings, phone conversations, or audio from external devices, all in flawless digital clarity. USB connectivity quickly downloads your recordings to your PC. Included accessories: earphone, external (meeting) microphone, telephone adapter, audio cable, PC software, USB cable, andhand strap.

Includes all the accessories needed!

Part No.	Description	Price
237198CB	USB voice recorder, 9-18hrs	$108.95

AverKey Pro PC-to-TV Converter Box



- Converts VGA video or Macintosh® 640 x 480 to standard NTSC
- Built-in flicker filter
- Resolution: 800 x 600
- TV brightness control
- Compatible w/ Microsoft® Windows® 3.0 and higher
- Weight: 2.2 lbs. • Two-year warranty

System requirements: VGA-based PC, DOS 3.0 or higher, 640kB RAM or larger

Includes: PC-to-TV converter, adapter, cables & manual

Part No.	Description	1	10
167193CB	Video signal pro	$89.95	$81.65

10" B&W Security Monitor w/ Audio



- EIA format
- 9" viewable screen
- Resolution: 700 line
- Push down front panel for volume and power switch
- BNC jacks for audio/ video input
- Input voltage: 120VAC @ 60Hz (2-prong 5' cable)
- Size: 9.3"W x 12"D x 9.1"H
- Weight: 15 lbs.

Includes: Manual

Part No.	Description	1	10
253067CB	10" B/W monitor ⊕	$109.05	$89.95

5.6" Color TFT Monitor

NTSC Format



- TFT color LCD display
- 224 x 640 pixel display resolution
- Built-in 1 watt speaker
- Brightness, color and volume adjustments
- Video input: 1.0Vp-p; 75Ω
- Audio input: 2Vp-p; 2kΩ
- Size: 6.1"W x 1.2"D x 4.8"H • Weight: 2.6 lbs.

Includes: RCA cable, mounting stand with hardware and 12VDC @ 500mA power supply

Part No.	Description	1	10
201702CB	5.6" TFT color monitor ⊕	$279.95	$259.95

4" TFT LCD Monitor

NTSC Format



- TFT color LCD
- Resolution 234 x 383dpi
- Backlight: cold cathode fluorescent lamp
- Power source: 12VDC @ 400mA
- 5" long lead wire with 4-position Molex-type power connector
- Tint color and brightness adjustable
- Size: 4.1"L x 3.3"W x 0.7"H (display)
- Size: 4.7"L x 3.3"W x 1.3"H (unit) • Weight: 0.7 lbs.

Part No.	Description	1	10
172742CB	4" color LCD monitor ⊕	$159.95	$149.95

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 305.

ezVID Serial Video Module



The ezVID Serial Video Module gives microcontrollers the ability to generate text and graphic images on monitors, televisions, and similar-type equipment that accepts composite NTSC video signals. This is a nice alternative to applications where you don't want to use LEDs and LCDs. The ezVID provides for professional applications such as text messaging, diagnostics and status indication, but is also useful to the enthusiast user for applications in simple video games and graphics. The simple ezVID serial commands allow placement of any built-in or user defined character anywhere on the screen in any one of fourteen colors. An on-board controller and special video chip designed by Multilabs allows simple color video generation with only two asynchronous serial communication lines. The ezVID is compatible with most microcontrollers, including the BASIC Stamp.

- 9600 baud TTL level serial interface
- True bitmap display with no character cells
- 63 built-in standard characters
- Standard composite NTSC non-interlaced video output
- Screen resolution of 188 by 254
- 14 different colors available
- 256 user-definable characters
- Easy to use SIP package only measuring 2" by 2"

Part No.	Description	1	10
355856CB	Serial video module	$59.95	$55.95

XBOB-NC Video Text Module

SALE



XBOB integrates Decade's third-generation OSD technology into a convenient plug & play format. The command set is nearly identical to that of our popular BOB-3 module (see below), and XBOB includes all of the optional circuitry described in the BOB-3 Application Guide. XBOB lets your PC display up to 680 characters on standard video monitors and TV sets. With 63 user-definable character patterns, XBOB supports pseudo-graphics and multiple languages. XBOB generates video on-board, or automatically genlocks to your video source and superimposes characters over the image. Printable characters and commands control XBOB through a fast RS-232 data link, much like a simple serial printer.

- Higher display density; 40x17 characters (680 max.)
- 254 ROM character patterns plus 63 user-definable RAM characters • Character size control
- Horizontal (1 line) and vertical smooth scrolling (up to 16 lines)
- Faster & more reliable host communication
- Stand-alone operation, for simple source ID or fixed reticle applications
- Improved automatic video mode control

Part No.	Description	1	10
283768CB	XBOB video text module	$189.95	$179.99
237243CB	9VDC power supply	3.79	3.45
283776CB	Serial cable	9.95	8.95

BOB-3 Video Text Module



BOB-3 is Decade's third-generation low-cost video text overlay module. BOB-3 lets your microcontroller or PC display up to 680 characters on standard video monitors and TV sets. With 63 user-definable characters, BOB-3 supports pseudo-graphics and multiple languages. BOB-3 generates video on-board, or automatically genlocks to your video source and superimposes characters over the image. Printable characters and commands control BOB-3 through a fast RS-232 style data link, much like a simple serial printer. BOB-3 is compatible with most microcontroller chips and modules, including the BASIC Stamp.

- Higher display density; 40x17 characters (680 max.)
- Faster & more reliable host communication
- Software-controlled digital outputs (6)
- Improved automatic video mode control
- Stand-alone operation, for simple source ID or fixed
- Character size control reticle applications
- 254 ROM character patterns plus 63 user-definable RAM characters
- Horizontal (1 line) and vertical smooth scrolling (up to 16 lines)

Part No.	Description	1	10
283733CB	BOB-3 video text module	$99.95	$94.95

Commercial Customer

Open an account with us to consolidate your monthly billing and to save time.

14" Color CCTV Monitor



- NTSC/PAL switchable
- Operating frequency: EIA – 15750Hz/60Hz; CCIR: 15625Hz/60Hz
- Input voltage: 100 – 240VAC @ 50/60Hz
- Input signal: CVBS – 1Vp-p (typical); Y/C separation – 1Vp-p
- Input impedance: hi/lo impedance (switchable)
- Video in/out channel (BNC): 2 BNC connectors (CVBS in/out); 2 4-pin mini DIN (YC in / YC out)
- Audio in/out channel: 2 inputs / 2 outputs
- Front panel control: power on/off; contrast, brightness, color, tint, sharpness, volume (AV / YC) switches
- CRT dot pitch: 0.63mm
- CRT: 14" diagonal
- Resolution: >420 lines
- Power consumption: 70W
- Size: 13.8"W x 14.4"D x 12.6"H
- Weight: 31.9 lbs.

Part No.	Mfr. Part No.	1	10
320119CB	15-MC14A ⊕	$277.39	$249.65

High Resolution Security Monitors

Speco solutions for your security monitoring needs. Both have metal cabinets, front controls, and are UL listed.

541000CB:



541000CB

- 12" B/W monitor
- 800 line resolution
- Video input/output looping; no audio

541018CB:



541018CB

- 17" color monitor
- 520 line NTSC/625 line PAL resolution
- Auto detect system
- 2 BNC input/output
- 1 RCA input/output

Part No.	Product No.	1	5
541000CB	VM-1201B ♠	$141.55	$127.39
541018CB	VM-1705C ♠	548.09	493.26

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Mini Enclosed Color NTSC Camera



- 1/4" CCD Sensor
- 350 horizontal TV lines
- 1 lux/F2.0
- Electronic shutter: up to 1/120,000 sec.
- NTSC system w/ 512(H) x 492(V)
- Scanning system: 2:1 interlace
- Signal to noise ratio: 48dB
- Lens: 3.7mm/F2.0
- Video output: 1Vp-p, 75Ω •FOV: 92˚
- Size: (enclosure) 1.3"L x 1.1"W x 0.9"D
- Weight: 0.3 lbs.
- Two-year warranty

Requires: 9VDC – 12VDC @ 500mA power supply (recommend P/N 100853CB, pg 216)

Includes: BNC/Power cable and mounting hardware

Part No.	Description	1	10
215423CB	Mini enclosed camera	$129.95	$119.95

Black and White CCD Camera with 6" Monitor



Camera: EIA Format

- 512(H) x 492(V)
- 1/3" CCD image sensor
- 420 TV lines
- 6 IR LED light for view in the dark applications
- Min. illumination: 0 lux with LED; 0.1 lux without LED
- Signal and noise ratio: >48dB
- Built-in audio function

NEW

Monitor: EIA Format

- 6" Monitor with auto switching audio/video input; auto switching time selectable (2 to 20 seconds auto cycling)
- 2-channel audio/video input, 1-channel audio/video synchronous output
- Contrast, brightness and V frequency adjustment at the back of the monitor
- Auto switching time selection, volume adjustment button on front panel
- Time (seconds) scale display in front panel
- Size: 6.6"W x 5.5"H x 7.5"D

Includes: camera with bracket, cable 13.5VDC @ 1.2A power supply

Part No.	Description	1	10
639613CB	Camera with monitor	$122.55	$110.30

Black and White Camera with 8mm Lens



- 1/3" CCD image sensor
- Horizontal res: 420TV lines
- Min. illumination: 0.1 lux
- Horizontal freq.: 15.734kHz
- 510(H) x 492(V) EIA signal format
- Vertical freq.: 60Hz
- Clock freq.: 19.0699MHz • S/N ratio: 48dB
- Scanning system: 2:1 interlace
- Electronic shutter: 1/100,000 sec.
- Auto iris lens: DC drive / AES / video drive
- Video ouput: 1Vp-p, 75Ω
- Audio output: 2Vp-p max., 50Ω
- Backlight compensation and auto-gain control selectable
- Power requirements: 12VDC @ 100mA; 24VAC
- Size: 4.5"L x 2.0"W x 2.0"H • Weight: 0.8 lbs.

Part No.	Description	1	10
245041CB	Black & white CCD camera ⊕	$99.95	$89.95

Night Vision Infrared Lighted Camera



EIA Format

- Adjustable camera lens
- Auto iris controlled
- Built-in voltage regulator
- Horizontal synch. frequency: 15.734kHz
- 6 infrared LEDs for night vision
- Scanning system: 2:1 interlace
- Video output: 1Vp-p; 75Ω • Lens: 3.6mm
- Audio output: 2Vp-p max. • 380 TV line resolution
- FOV: 92˚ • 0.1 lux with F2.0
- Matching conn.: RG59 BNC (P/N 71271CB, pg 142)
- Size: 2.9"L x 2.0"W x 2.0"H • Weight: 1.2 lbs.

Includes: 12VDC @ 500mA power supply and wall mounting bracket

Part No.	Description	1	10
150404CB	Infrared lighted camera	$119.95	$89.96

Color Camera with 8mm Lens



- 1/3" CCD image sensor
- Horizontal res: 420 lines
- Min. illumination: 0.5 lux
- 510(H) x 492(V) EIA signal format
- Vertical freq.: 60Hz
- S/N ratio: 52dB
- Scanning system: 2:1 interlace
- Electronic shutter: 1/120,000 sec.
- Auto iris lens: DC drive / AES / video drive
- Video output: 1Vp-p, 75Ω
- Audio output: 2Vp-p max., 50Ω
- Backlight, auto-gain, and mirror reverse picture switch selectable
- Auto-tracing white balance
- 2X digital zoom
- Power requirements: 12VDC @ 150mA
- Size: 5.0"L x 2.0"W x 2.0"H • Weight: 0.8 lbs.

Part No.	Description	1	10
395461CB	Color camera ⊕	$103.35	$93.89

Color Interline Camera

Water Resistant with Adjustable Mounting Bracket



- EIA format
- 1/3" CMOS image sensor
- EIA format: 512(H) x 492(V)
- 330 horizontal line resolution
- 2:1 scanning interlace system
- 5 lux sensitivity
- Video output: 1V p-p; 75Ω • 6mm lens/F2.0
- S/N ratio: 40dB • FOV: 530
- Electronic shutter: 1/60 – 1/1,200 sec.
- Connectors: 1 standard RCA female jack for video, and in-line 2.1mm power-plug connector for power supply
- Size: 2.6"L x 0.9"Dia.

Includes: Adjustable mounting bracket, instruction sheet and 9V @ 100mA power supply

Part No.	Description	1	10
185017CB	Color camera ⊕	$99.95	$89.95

SONY® Color CCD Camera

Sony Chipset



- 1/4" Sony super HAD CCD sensor
- NTSC system with 510(H) x 492(V)
- Furnished mini lens: 3.6mm
- Minimum illumintion: 0.5 lux @ F2.0
- Signal to noise ratio: >48dB • 330 TV lines
- Supports these functions: auto electronic shutter (AES), auto iris control (AIC), auto gain control (AGC), auto white balance (AWB), back light compensation (BLC) and flicker less (FL)
- Video drive iris control; high/low switchable auto gain control; on/off backlight compensation
- Internal, negative synchronous system
- Video output: 1Vp-p; 75Ω

Requires: 12VDC @ 120mA power supply (recommend P/N 163993CB, pg 216)

Includes: Power/signal cable & mounting hardware

Part No.	Description	1	10
213436CB	Enclosed color camera	$179.95	$161.95

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

WaterProof Tube Style IR Color Camera

NTSC Format



- For indoor and outdoor use
- ¼" CCD image sensor
- 512(H) x 492(V)
- 420 horizontal line resolution
- 59.94Hz vertical frequency
- Scanning system: 2:1 interlace
- 0 lux w/ 20 IR LEDs
- Internal synchronization
- S/N ratio: >48dB
- Up to 1/100,00 sec. electronic shutter
- Auto white balance and gain control
- 880 ~ 940nM infrared wavelength
- Video output: 1Vp-p, 75Ω
- 4.3mm lens with F1.8 • Size: 2.1"Dia x 3.8"L

Requires: 12VDC @ 160mA power supply (recommend P/N 162996CB, pg 215)

Includes: Mounting hardware

Part No.	Mfr. Part No.	1	10
319901CB	15-CM25WM ⊕	$189.05	$184.29

2.4GHz Wireless Color Dome Camera

NTSC Format



- ¼" CCD image sensor
- 512(H) x 492(V)
- 380 horizontal line resolution
- 1 lux with F2.0
- Scanning system: 2:1 interlace
- S/N ratio: 48dB
- 60Hz vertical frequency
- Up to 1/120,000 second electronic shutter
- 3.6mm lens with F2.0 • FOV: 92˚
- Video output: 1Vp-p, 75Ω
- Power supply: 12VDC @ 300mA
- Size: 3.4"Dia x 2.3"H

Includes: 12VDC @ 300mA power supply and mounting hardware

Part No.	Mfr. Part No.	1	10
319855CB	15-2400CTD ⊕	$212.25	$191.15

Mini Dome Color Camera

NTSC Format



- Perfect for ceilings
- 1/4" CCD image sensor
- 512(H) x 492(V)
- 330 horizontal line res.
- S/N ratio: 46dB
- 15.73kHz horizontal synch. frequency
- Scanning system: 2:1 interlace
- Up to 1/96,000 second electronic shutter
- 3.6mm lens with F2.0
- Video output: 1Vp-p, 75Ω
- Power supply: 12VDC @ 160mA (recommend P/N 162996CB, pg 215)
- 2 lux/F2.0 • FOV: 92˚
- Size: 3.5"Dia. x 2.3"H

Quantity SAVE

Includes: Mounting hardware

Part No.	Description	1	10
171037CB	Mini-dome camera ⊕	$145.95	$109.46

Outdoor Cameras

Speco Technologies outdoor security cameras offer night and day monitoring in weatherproof configurations.







- Bullet-style outdoor weatherproof cameras
- Color and black/white
- Resolution: 350-480 lines
- Lenses: 2.9mm-9mm
- IR model ranges: 25-75'

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Speco Outdoor Camera Offering at www.Jameco.com/Prod/SpecoOutdoor

Indoor Cameras

Speco Technologies indoor security cameras offer many unobtrusive configurations.











- Indoor camera styles include: dome, ceiling/wall flush mounted, zoom with optional control, discrete (in wall, PIR housing, or clock)
- Resolution: 350-420 lines
- Zoom: 480 lines
- Lenses: 3.6-3.7; zoom model: 3.6-79.2
- CCD formats: 1/4" or 1/3"

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Speco Indoor Camera Offering at www.Jameco.com/Prod/SpecoIndoor

2.4GHz Wireless Weatherproof Color Camera with PIR

NTSC format



- For indoor and outdoor use
- ¼" CCD image sensor
- 380 horizontal line resolution
- 3 lux with F2.0; 0.5lux with F1.2
- Video output: 1Vp-p, 75Ω
- Audio output: 2Vp-p max
- Transmitter output power: 10mW
- Output impedance: 50Ω typical
- Pulse counter w/ automatic reset
- Size: 4.2"W x 5.0"D x 4.8"H

Includes: 12VDC @ 500mA power supply and mounting hardware

Part No.	Mfr. Part No.	1	10
319871CB	15-2400CTH ⊕	$236.55	$212.89

Mini Wireless Color Camera



Now you can place a color video camera with sound almost anywhere! This super-small (1" x 3/4" by 7/8") 1/4 ounce, 3 Lux wireless camera and receiver combo delivers sharp, full-motion video images at 380 lines of resolution. With its 150-foot (unobstructed) range, light weight, and 9-volt battery power, you can now add video capability to a world of hobby applications.

Part No.	Description	1	10
249025CB	Wireless color camera	$89.95	$80.95

SONY® Black & White Low-Light Camera

Sony Chipset



150931CB

- Signal to noise ratio: >48dB
- Requires 12V power source (not included)
- 6" wires with 4-pin Molex-type keyed connector
- EIA system 537(H) x 505(V)
- Temp. tolerance: -5˚C to 40˚C • Lens: 3.6mm
- Composite output with 420 line resolution
- Shutter speed: 1/60 - 1/1000 • FOV: 92.6˚
- Video output: 1.0Vpp composite video/75Ω
- Size: 1.3"L x 1.3"W x 1.0"H • One-year warranty

Part No.	Description	1	10	25
150931CB	Camera board ⊕	$71.79	$64.79	$58.15
159071CB	8mm lens 38.6˚ ⊕ ~~$17.95~~	16.15	15.39	11.54

Black & White Camera with Lens

EIA Format



- 1/3" CCD image sensor
- 510(H) x 492(V)
- Horizontal res.: >350 lines
- Scanning system: 2:1 interlace
- Sensitivity: 0.7 lux/F2.0
- Power supply: 12VDC (recommend P/N 162996CB, pg 215)
- Video output: 1Vp-p, composite video 75Ω
- Size: 1.3"L x 1.3"W x 1.2"H • S/N ratio: 46dB
- Power consumption: 110mA • FOV: 92˚
- Electronic shutter: 1/125,000 sec. (linear)

Part No.	Description	1	10
171029CB	Camera board ⊕	$44.95	$40.45

Color CMOS Camera Board

NTSC Format



- 1/3" image sensor
- 5.0 CMOS lux • FOV: 92˚
- 3.6mm lens/F2.0 • 330 TV lines
- Low power consumption
- Automatic exposure, gain and white balance • Size: 1.0"L x 0.9"W x 1.1"H

Part No.	Description	1	10
171011CB	Camera board ⊕	$77.65	$69.89

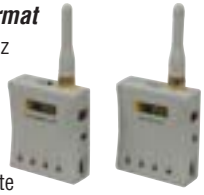
We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send requests to NewProducts@Jameco.com.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

4-Channel 2.4GHz Wireless Audio/Video Transmitter System

CCIR, NTSC, PAL, EIA Format



- ISM Band: 2.413 – 2.470GHz
- Four selectable transmitter and receiver channels
- Antenna mode: dipole (omnidirectional)
- Impedance: 50Ω typical
- Video input: 1Vp-p composite
- Audio input: 2Vp-p max.
- Weight: 3.2 lbs.

Includes: Two 9VDC @ 300mA with 1.3mm x 3.5mm center positive plug, and two 2.5mm male to RCA patch cables

Part No.	Description	1	10
265308CB	4-ch. wireless system ⊕ ...	$149.95	$134.95

2.4GHz Wireless Audio/Video Transmitter



- Frequency range: 2413MHz to 2470MHz
- Impedance: 50Ω
- Output power: 1 watt
- Video input: 1Vp-p
- Audio input: 2Vp-p
- Size: 2.4"L x 1.9"W x 1.4"H

Includes: 12VDC @ 1A wall adapter, RCA patch cable, antenna and mounting hardware

179864CB:

- For use with 2.4GHz cameras, transmitters and receivers
- Gain: 3dB; unidirectional

Part No.	Description	1	10
289852CB	Wireless audio/video tran. ⊕ ..	$199.95	$149.96
179864CB	2.4GHz SMA RF antenna ⊕ ~~$15.15~~	13.65	10.24
179872CB	Wireless extension cable ⊕	10.99	9.89

4-Channel 2.4GHz Wireless Audio/ Video Receiver and 10mW Transmitter

Make your camera wireless up to 492 feet!





- Transmission range: 492' (150M outdoors); 164' (50M indoors)
- 4-channel switch selectable on transmitter
- Output power (transmitter): 10mW
- Output impedance: 50Ω typical
- Video input: 1Vp-p composite
- Audio input: 2Vp-p max.
- RCA jacks for audio and video connectors

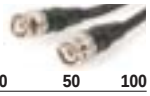
Receiver:

- Non-volatile memory protects system set-up from power loss
- Video loss detection and freeze channel
- Mute and alarm trigger port
- Weight: 1.8 lbs.
- Size: (transmitter) 4.5"L x 3.2"W x 1.0"H
- Size: (receiver) 6.5"L x 5.5"W x 1.4"H

Includes: RCA cable, 12VDC@500mA adapter, RCA to F connector adapter (receiver unit only)

Part No.	Description	1	10
192858CB	4-channel transmitter ⊕	$94.45	$85.05
192866CB	4-channel receiver ⊕	124.95	112.95

Cable Assembly (75Ω RG59/U BNC – BNC)



Part No.	Length	1	10	50	100
262730CB	25'	$9.95	$8.95	$8.05	$7.25
262748CB	50'	17.05	16.25	15.45	14.69
262764CB	100'	30.39	28.89	27.45	25.99

For additional BNC Cables see pages 113 & 142.

4-Channel Digital Video Multiplex Recorder



Record and monitor your security surveillance system with this 4-channel digital video multiplex recorder. Connect 4 cameras to this recorder, attach a monitor for viewing features, and connect your PC through the RS-232 interface to operate the recorder. Attach a RJ-45 cable for network connection, and install 1 or 2 hard disk drives to the recorder.

- TCP/IP with client software web interface
- Conventional VCR back up, remote back-up using TCP/IP, or internal back-up
- RS-232C, RS-485, 4-alarm input, 1 relay output
- Pan, tilt, zoom, and focus camera control
- Plug and play

Video I/F

- 4-channel input, 1Vp-p, 75Ω unbalanced BNC type connectors
- 480 TV lines
- 16.7 million colors
- S/N ratio: >48dB
- 4 output (BNC/SVHS/VGA type)

Monitoring Method

- Split screen (full or quad display), zoom, PIP, sequence
- Screen quality: full screen – 720(H) x 480(V) active pixels; ¼ screen – 360(H) x 240(V) active pixels

Recording/Playback Function

- 30 frames/sec. maximum
- JPEG compressed picture
- Quad screen recording or field switcher method
- Real time/time lapse/event record mode
- Search/still track play

Includes: Remote control, 12VDC @ 4.16A power supply, manual and software in CD-ROM

Part No.	Mfr. Part No.	1	10
320127CB	15-DVR04SAE-LAN ⊕	$664.05	$597.65

Single Camera Digital Video Recorder



NTSC / PAL inputs from one camera. Records up to 20 pictures / second at a resolution of 720 x 240 or 360 x 240. Search by date, time, camera, and alarm.

- 40GB HDD using MJPEG compression
- Monitor and VCR outputs
- NTSC real-time display and motion (activity) detection
- Multiple recording modes
- Alarm input and output
- 12VDC power supply included

Part No.	Product No	1	5
540648CB	DVR-X1 ♠	$521.65	$469.49

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Dual Page Color Quad Processor

NEW



- Signal format: NTSC/PAL color
- Display rate: 6-fps/50 fps
- No. of video input channels: 4 with loop
- Alarm input: 8
- 7-character titles
- Video inputs: 1Vp-p, 75Ω
- BNC video connectors
- Video outputs selectable: 1Vp-p 75Ω (full screen or quad)
- Memory 1024 x 512
- Zoom definition: 2 x 2
- Switching interval: 1 to 99 seconds
- Date time generator
- Size: 16.9"W x 1.8"H x 8.5"D

Part No.	Product No.	1	10
638240CB	15-QC43 ♻	$242.25	$218.05

DigiVue™ Digital Surveillance System



This high-speed PCI video capture card comes with 4 video inputs, 1 audio input that provide & super digital images from multiple cameras and remote surveillance. Add up to 4 cards per system controlling up to 16 cameras.

- Input signal: 4 video, 1 audio channel
- Watermark time and date stamp
- Display and record: 60 frames/sec.
- Enhanced MPEG4 format
- Adjustments: light, contrast, hue, saturation
- Record mode: event/ continuous/ schedule
- Resolution: 160 x 120 to 640 x 480
- Storage: HDD/ VDRAM/ CD-RW/ DAT/ MO/ ZIP / RAID
- Supports real time WAN / LAN and internet monitoring via client software, internet explorer

NEW

Includes: CD-ROM and drivers

Minimum system requirements: Pentium 4, 1.8GHz, 256MB RAM, 32MB AGP video card

Part No.	Product No	1	10
639568CB	EDV-XV425	$94.95	$85.46

DigiVue™ Complete Digital Security Video Recording System



Kit includes a PCI video capture card, 2 outdoor color day / night cameras, 2 micro dome color cameras, video recording software with drivers, four 50' video / power cables and 4 power supplies for the camera.

EDV-XV425 Video Capture Card:

NEW

- 60 fps per card
- Monitors multiple IP addresses
- Supports multiple card installations
- 4-channel video and 1-channel audio
- Supports real time WAN/LAN and internet monitoring

EC-624 Outdoor Color Day/Night Camera:

- 1/4" CCD imaging chip
- 30 feet IR range
- 0.1 lux sensitivity
- Built-in electronic iris control
- 420 TV line resolution
- 6mm lens with F2.0

ECMD-01 Micro Dome Color Camera:

- CMOS imaging chip
- Clear dome
- 380 TV line resolution

Part No.	Product No	1	10
639584CB	EDV-XV425 kit	$449.99	$405.00

VISEC Home Office Security System



Turns your PC into a powerful, global-wide surveillance system in 5 minutes or less.

- Watch live or recorded video from anywhere in the world via the Internet
- Record months of video at a time
- Record when motion is detected, incrementally, or continuously
- Be alerted when intruder enters with a picture to your cell phone, PDA or email address.
- Supports multiple cameras including: webcams, spycams, wireless cameras and IP based network cameras.
- No monthly fees
- Installs in minutes

Includes FREE Camera!

Minimum system requirements: Windows® 95/ 98/ ME/ NT/ 2000/XP

Part No.	Description	1	10
404531CB	Security system	$150.99	$139.00

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

USB Color Camera with Built-In Illuminator



Just connect this camera into your computer's USB port, install the included software and you are ready to be seen on the web.

- 1/3" CMOS digital sensor
- 6mm lens • 350k pixels
- Still image: 640 x 480 • View angle: 62°
- Min. lux: 0 (w/ IR illuminator) • USB powered
- Slide bar hue, contrast and brightness control
- Auto or manual exposure, gain and white balance adjustments • 380 line resolution
- Frame rate: 15fps @ 640 x 480 res.; 3fps @ 160 x 120 to 352 x 288 res.

NEW

Includes: CD ROM software and drivers

Part No.	Product No.	1	10
639576CB	EC-PC-CAM	$47.45	$42.71

ATEN SVGA Monitor Splitters



176866CB



133866CB

Duplicate a video signal from one source to monitors up to 210 feet away.

- Suitable for SVGA, VGA & multisync monitors

176866CB: 2-channel

- 1 HDDB15 male connector from PC to box; 2 HDDB15 female connectors from box to monitors
- Size: 6.6"L 3.3"W x 1.1"H • Weight: 1.4 lbs.

133866CB: 4-channel

- Slide switch for video signal gain control
- Daisy chainable • One-year warranty
- Size: 8.8"L x 6.0"W x 1.9"H • Weight: 3.6 lbs.

Includes: Power adapter and manual

Part No.	Description	1	10
176866CB	2-ch. monitor splitter	$49.95	$44.95
133866CB	4-ch. monitor splitter ⊕	59.95	53.95

Video RF Modulator w/ S-VHS Input



Designed to convert separate audio and video signals from various video components.

- RF outputs: 3 or 4 channel switch selectable
- RF output impedance: 75Ω
- Video input impedance: 75 or 1kΩ
- Audio input impedance: 13 +/-3kΩ
- TV to antenna insertion loss 50 – 806MHz: -2dB
- Video carrier output level: 69dBuV

Part No.	Mfr. Part No.	Description	Price
319062CB	203-101 ⊕	Video RF modulator	$14.95

CCTV Power/Video Extension Cables



Power and video signal in one multipurpose cable! BNC to RCA. Available in 25, 50, and 150 foot lengths.

Part No.	Product No.	1	5
540453CB	CBL-25BB ♠	$10.69	$10.53
540461CB	CBL-50BB ♠	13.35	12.70
540445CB	CBL-150BB ♠	23.05	20.71

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Audio Video Selectors



319151CB:

- Manual 4x1 audio/ video selector with S-VHS inputs and integrated 3/4 channel RF modulator. Designed to convert separate audio and video signals into a single VHF-TV signal viewable on most TV sets

319142CB:

- Auto audio/video selector with S-VHS inputs. Automatically redirects signal to display active signal source. 12VDC @ 200mA power supply included.

Part No.	Mfr. Part No.	Size (WxDxH)	Price
319151CB	200-470 ⊕	9.4" x 5.0" x 1.9"	$34.95
319142CB	200-465 ⊕	9.7" x 5.9" x 2.1"	54.95

Video Distribution Center



Input a composite signal from a video camera or other source and distribute to four monitors.

- One input to four output channels
- Video input level: 0.8 - 1.2Vp-p, 75Ω
- Video output level: 1Vp-p (standard), 75Ω
- Video bandwidth: 10Hz - 10MHz • Black ABS
- Red power on/off LED • Dual voltage 12VDC/ 24VAC
- Size: 5.5"L x 3.0"W x 1.0"H

Includes: 12VDC power supply

Part No.	Product No.	1	5
540971CB	VID-DIST ♠	$64.75	$58.24

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Full Range RF Modulator with LED Display



Convert any composite signal (CCTV camera, VCR, DVD, etc.) to TV channel.

- Digital LED display
- Digital phase lock loop tuning
- Video input RCA, output coaxial F-type
- Mode selector for UHF, CATV, HRC, or IRV
- 120 selectable channels
- Full channel memory for power outages
- Surface mount technology PC Boards
- UL listed power supply included
- Size: 3.8"L x 4.1"W x 1.5"H

Part No.	Product No.	1	5
540710CB	MOD-1001D ♠	$93.85	$84.45

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Channel 3/4 RF Modulator



Converts a composite video signal to an RF signal and displays on Channels 3/4. Use to connect a video camera to TV for security surveillance.

- Inputs: RCA, audio and video
- Outputs: Coax F connector
- UL listed • Size: 3.25"L x 4.5"W x 1.25"H

Part No.	Product No.	1	5
540761CB	RFM-1A ♠	$36.39	$32.76

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

B/W Quad Splitter with Motion Detection



Video/VCR input to quad picture display with real time refresh rate and sequential switching. Video motion and loss detection. Time/date/title display.

- Full compression (digitally processed)
- Freeze frame, PIP, 2 x 2 zoom in live and playback modes
- Alarm inputs, alarm output NC/NO
- Alarm history • OSD programming
- 9 bit / 30 MHz sampling picture
- Video input: 1Vp-p adjustable, 75Ω terminated, 4 BNC connectors
- Video output: 1Vp-p, 75Ω, switched output, 1 BNC quad output, 1 BNC
- Video format: EIA or CCIR monochrome
- NTSC video signal • Power source: 12VDC/ 250mA
- Size: 8.2"L x 9.5"W x 2.5"H

Part No.	Product No.	1	5
540779CB	RQS-10B ♠	$155.85	$140.23

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Two-Station Wired Intercom



Two-station, single-channel wired intercom. Push-to-talk and call buttons, on/off volume control, LED status indicators, and integrated solid state circuitry.

- Size: 3.25"H x 4.5"W x 1.25"D

Includes: 9V battery and 50 foot cable

Part No.	Product No.	1	5
540437CB	BI-2SD ♠	$26.79	$24.10

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Megaphones with Shoulder Straps



645431CB

M10M: 10W handheld megaphone

- Range: 200 meters
- Size: 6.5"Dia. x 10.3"L
- Power supply: 4 x 1.5V size D battieries (not included)



645440CB

M25SM: 25W handheld megaphone

- Range: 600 meters
- Separate microphone with lock function
- Choice between siren and speech
- Microphone sensitivity: ±36dB
- Frequency response: 500Hz to 8kHz
- Power supply: 12V (8 x 1.5 size D batteries) not included
- Size: 9" Dia. x 14"L

Part No.	Product No.	NEW	1	5
645431CB	M10M ⊕		$52.85	$50.19
645440CB	M25SM ⊕		85.45	81.19

Committed To You

We're committed to providing you with the best service in the industry.

SMK RF Modulator



- Output frequency: NTSC Ch. 3/4, switch selectable
- 12VDC RF modulator
- Operating voltage: 12V @ 50mA max.
- Video modulation: 1.0V p-p
- RF output impedance: 75Ω (F type connector)
- Audio FM deviation: 1.4V p-p
- PC connections: solder tab connectors
- Size: 1.7"L x 1.7"W x 0.7"H
- Manufacturer No.: WMN2144-01

SALE

Part No.	Description	1	5	10
141639CB	RF modulator .... ~~$2.49~~	$2.15	$1.93	$1.74

Audio / Video Adaptor



210471CB

CAT 5 UTP

- Converts impedance of video/audio signals to 100Ω for tranmission over CAT 5 UTP cable
- Support both NTSC or PAL video signals
- Built-in impedance matching device and filter for video and audio signal tranmission
- USe with existing permises wiring and wall jacks for easy and cost effective installation
- Video tranmission distance: 1000' color / 2000' black / white

210471CB/311124CB:

- Signal pair: video (BNC), CAT pair 1 (RJ45)

220880CB:

- Signal pairs: video (BNC), CAT pairs 4(RJ45); audio 1 (RCA); CAT pair 3 (RJ45); audio 2 (RCA), CAT pair 2 (RJ45)

Includes: mounting hardware

Lower $$$

Part No.	Description	1	10
210471CB	BNC/RJ45 w/ cable ⊕ ~~$28.45~~	$25.95	$20.77
311124CB	BNC/RJ45 w/ cable ⊕	19.35	18.35
220880CB	BNC/RJ45 w/ cable ⊕	42.95	38.66

Mini Indoor Pan & Tilt Mechanism



Camera not included

Continuous Pan

- Automatic scanning: 0˚ – 355˚ angular travel; pan clockwise and counter-clockwise
- Manual tilt: 0˚ - 90˚
- Pan speed: 5˚/sec.
- Maximum load: 4.4 lbs.
- Power consumption: 1 watt
- Size: 2.5"Dia. x 2.4"H
- Weight: 0.4 lbs.
- Warranty: 2 years continuous use

Includes: 24V @ 150mA power supply, wall mount bracket and mounting hardware

Part No.	Description	1	10
215407CB	Mini pan/tilt ⊕	$49.95	$44.95

Indoor Metal Camera Enclosure



- Clear window area: 2.2"W x 1.8"H
- Maximum camera size: 7.1"L x 2.6"W x 2.4"H
- Overall size: 11.7"L x 3.1"W x 2.7"H
- Weight: 1.5 lbs.

Part No.	Description	1	10
310691CB	Camera housing ⊕	$27.49	$26.15

Outdoor Metal Camera Enclosures



170931CB

- Plate glass: 3mm thick
- Outdoor use

Lower $$$

170931CB: without heater

- Clear window area: 2.5"W x 2.3"H
- Max. camera size: 4.0"L x 2.4"W x 2.4"H
- Size: 16.0"L x 4.9"W x 4.9"H • Weight: 2.8 lbs.

170940CB: w/ heater (keeps optics from fogging)

- Clear window area: 3.5"W x 3.1"H
- Max. camera size: 6.5"L x 3.2"W x 3.2"H
- Size: 11.0"L x 3.6"W x 3.6"H • Weight: 6.8 lbs.

Part No.	Description	1	10
170931CB	Camera housing ⊕	$28.45	$21.34
170940CB	Camera housing w/ heater ⊕	62.95	50.95

Mount your Video Camera almost anywhere

As steady as a tripod, the Window Camera Mount lets you anchor that video camera to any glass surface at any height.





Mounts easily to your car window

Mount your video or CCTV camera on any window or other non-porous surface, and capture what you've never been able to before. This heavy-duty metal mounting bracket attaches securely to any glass surface with a strong lever-activated 3.25" neoprene suction cup. Mount your camera onto the tripod-style screw. Adjust to any position, and you're ready to shoot hands-free. It's perfect for temporary surveillance of your business or home. For cameras up to 3 lbs.

Part No.	Description	1	5
222746CB	CCTV camera window mount ⊕	$33.19	$29.87

Camera Mounting Bracket



- Aluminum construction (white coated)
- Maximum load: 6.5lbs.
- Overall height: 5.1"
- Base diameter: 1.8"
- 360 degree tilt swivel
- 120 degree tilt angle
- Base mounted w/ 3 screws (included)

Part No.	Description	1	10
311191CB	15-B009 ⊕	$6.65	$6.19

Mounting Brackets for Enclosed Camera



171002CB 170982CB

- Material: plastic
- Base mounted w/ 3 screws
- Swivel angle: 360˚
- Tilt angle: 90˚
- For use w/ enclosed cameras (P/N 150404CB, pg 255)

171002CB: • Color: ivory

170982CB: • Color: white

Part No.	Max Load (lbs.)	Ht. (in.)	1	10
171002CB	11 lbs. ⊕	6.4	$4.69	$4.08
170982CB	6.6 lbs. ⊕	2.0	5.49	4.94

Heavy Duty Camera Mounting Bracket



- Steel construction (white coated)
- Maximum load: 22 lbs.
- Overall length: 11.2"
- Base size: 3.8"L x 33.3"W
- 360˚ swivel angle, 90˚ tilt angle

Includes: Base mounted w/ 3 screws

Part No.	Mfr. Part No.	1	10
320151CB	15-B006 ⊕	$16.65	$14.95

EyeD USB OptiMouse with Biometric Recognition Software



With security and convenience of its finger print recognition module, this is the world's smartest mouse. No need to memorize passwords—the simple yet unique touch of your finger securely protects your PC, network, and the Internet all at once.

- Surface enhanced irregular reflection optical design
- Fingerprint extraction and verification technology
- Applications: PC and network security, Enterprise IT solution, secure files and folders within your PC, E-commerce

SALE

System requirements: Windows® 95/95/NT/2000/ME/XP, available USB port

Part No.	Description	1	10
262625CB	EyeD USB OptiMouse	$115.95	$110.19

Notebook Computer Security Cable



This security cable uses a unique lock slot that is built into most of today's leading notebook computers. If your computer is from Apple, Compaq, Dell, Digital, HP, IBM or Toshiba, among others, you probably have the built-in security lock slot at the side of your computer. Safeguard your laptop, desktop, and other valuable equipment.

Part No.	Description	Length	1	10
355573CB	Security cable	6ft	$26.85	$24.19

Mini Alarm Siren



- Sound pressure: 108dB
- Output frequency: 3000Hz
- Rated: 2-12VDC @ 300mA
- Adjustable mounting plate
- 16" color coded connector wires, tinned
- Size: 2.8"Dia. x 2.5"L

Part No.	Description	1	10	50
148152CB	Alarm siren ⊕	$8.95	$7.99	$6.35

Free Technical Support

Our knowledgeable Tech Support department is ready to answer your questions. Just call us! 1-800-831-4242

Security

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

See www.Jameco.com/DMM for accuracy and complete specifications

RoHS RoHS Compliant Product ⊕ RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

DMMs

See www.Jameco.com/DMM for accuracy and complete specifications

RoHS RoHS Compliant Product ⊕ RoHS Also Available

Extech MN35
- 2000 count
- 5 functions
- Temperature function



P/N 645618CB
$18.99

Mastech M300
- 2000 count
- 6 functions
- Extremely low cost



P/N 220812CB
$9.79

Velleman DVM850BL
- 2000 count
- 6 functions



P/N 355207CB
$16.75

Jameco JE110
- 2000 count
- 6 functions
- 100µV resolution



P/N 119212CB
$19.95

BP-1562
- 2000 count
- 6 functions



P/N 318781CB
$9.95

Mastech MAS830L
- 2000 count
- 7 functions
- Continuity test



P/N 220759CB
$13.95

Mastech MAS838
- 2000 count
- 8 functions
- Temperature



P/N 220741CB
$19.95

BP-1206
- 2000 count
- 8 functions
- Auto-zero



P/N 27116CB
$39.95

Extech MV110
- 2000 count
- 8 functions
- Tiltable display



P/N 197958CB
$36.95

Metex M3800
- 2000 count
- 8 functions
- Auto-zero



P/N 27115CB
$39.95

Mastech M9704
- 2000 count
- 8 functions
- Temp. & frequency



P/N 220783CB
$30.49

Mastech MY64
- 2000 count
- 11 functions
- Temp. & frequency



P/N 220775CB
$38.79

SALE

Jameco Part No.	Product No.	Display Count	No. of Functions	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)	Inductance Ranges (H)		Frequency Ranges (Hz)	Temperature Range °C	Temperature Range °F	Diode Test	Logic Test	Continuity Test	Transistor h_{FE} Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")	Jameco Part No.	Pricing 1	Pricing 5
Basic Measurement Functions																**Test Functions**				**Special Functions**							
645618CB	Extech MN35	2000	5	100µV	200m - 600	200 - 600	200m - 10	—	200 - 20M	—	—		—	-20 to 750	-40 to 1400	✔		✔						5.4 x 2.8 x 1.5	**645618CB**	**$18.99**	**$18.05**
220812CB	Mastech M300	2000	6	1mV	2 - 500	200 - 500	200mA	—	2k - 2M	—	—		—	—	—	✔		✔						4.7 x 2.7 x 0.8	**220812CB**	**9.79**	**8.85**
355207CB	Velleman DVM850BL	2000	6	100µV	200m - 100	200 - 600	200µ - 10	—	200 - 2M	—	—	⟷	—	—	—	✔		✔	✔					5.4 x 2.7 x 1.2	**355207CB**	**16.75**	**15.92**
119212CB	Jameco JE110	2000	6	100µV	200m - 1000	200 - 750	200µ - 10	—	200 - 2M	—	—		—	—	—	✔			✔					4.8 x 2.6 x 1.0	**119212CB**	**19.95**	**15.96**
318781CB	BenchPro BP-1562	2000	6	100µV	200m - 600	200 - 750	200µ - 10	—	200 - 2M	—	—		—	—	—	✔			✔					5.4 x 2.7 x 1.2	**318781CB**	**9.95**	**9.45**
220759CB	Mastech MAS830L	2000	7	100µV	200m - 600	200 - 600	200µ - 10	—	200 - 2M	—	—		—	—	—	✔		✔	✔					5.7 x 3.0 x 1.4	**220759CB**	**13.95**	**13.24**
220741CB	Mastech MAS838	2000	8	100µV	200m - 600	200 - 600	2m - 10	—	200 - 2M	—	—		—	-20 to 1000	—	✔		✔	✔					5.7 x 3.0 x 1.4	**220741CB**	**19.95**	**15.96**
27116CB	BenchPro BP-1206	2000	8	100µV	200m - 1000	200m - 700	20µ - 10	20µ - 10	200 - 20M	—	—		—	—	—	✔		✔	✔					6.8 x 3.5 x 1.4	**27116CB**	**39.95**	**35.95**
197958CB	Extech MV110	2000	8	100µV	200m - 1000	200m - 750	20µ - 10	20µ - 10	200 - 200M	—	—		—	—	—	✔		✔	✔					7.3 x 3.5 x 1.3	**197958CB**	**36.95**	**35.19**
27115CB	Metex M3800	2000	8	100µV	200m - 1000	200m - 700	20µ - 20	20µ - 20	200 - 20M	—	—		—	—	—	✔		✔	✔					6.8 x 3.5 x 1.4	**27115CB**	**39.95**	**35.95**
220783CB	M9704	2000	8	100µV	200m - 600	200m - 600	2m - 200m	2m - 200	200 - 20M	2nF - 20µF	—	⟷	20K	-20 to 1000	—	✔		✔	✔					7.6 x 4.0 x 1.5	**220783CB**	**30.49**	**27.75**
220775CB	Mastech MY64	2000	11	100µV	200m - 1000	200m - 700	2m - 10	2m - 10	200 - 200M	2n - 20µ	—		2k - 20k	-20 to 1000	—	✔		✔	✔					7.4 x 3.6 x 1.3	**220775CB**	**38.79**	**34.91**
645571CB	Velleman DVM890F	2000	11	100µV	200m - 1000	2 - 700	2m - 20	20m - 20	200 - 200M	2000p - 20µ	—		—	—	-58 to 1832	✔		✔	✔					6.7 x 3.5 x 1.5	**645571CB**	**36.95**	**35.15**
177480CB	AEEC 2890	2000	11	100µV	200m - 1000	2 - 700	2m - 10	200m - 10	200 - 20M	2n - 20µ	—		20k	-20 to 1000	—	✔		✔	✔					8.0 x 4.0 x 2.0	**177480CB**	**54.95**	**49.59**
182035CB	Fluke 73-III	3200	9	100µV	320m - 600	320m - 600	320m - 10	320m - 10	320 - 32M	—	—		—	—	—	✔		✔		✔	✔			6.6 x 3.0 x 1.1	**182035CB**	**191.05**	**181.95**
220767CB	Mastech MY68	3260	12	100µV	326m - 1000	3.26 - 700	326µ - 10	326µ - 10	326 - 32.6M	326n - 32.6µ	—		32.6k - 150k	—	—	✔		✔	✔	✔	✔			7.4 x 3.6 x 1.3	**220767CB**	**35.95**	**32.36**
645626CB	Extech EX330*	4000	9	100µV	.1m - 1000	.1m - 750	.1µ - 10	.1µ - 10	.1 - 40M	.001n - 200µ	—		.001 - 10M	-50 to 1000	-58 to 1832	✔		✔						5.7 x 2.9 x 1.6	**645626CB**	**47.45**	**45.15**
216514CB	Metex ME-31	4000	10	100µV	400m - 1000	400m - 750	4m - 20	4m - 20	400 - 4M	—	—		—	—	—	✔		✔		✔	✔	✔		7.3 x 3.3 x 1.5	**216514CB**	**56.95**	**54.15**
211650CB	Extech MN26	4000	11	100µV	400m - 600	400m - 600	400µ - 10	400µ - 10	400 - 40M	4n - 200µ	—	⟷	10 - 10M	0 to 760	0 to 1400	✔		✔		✔				4.8 x 2.4 x 1.6	**211650CB**	**39.95**	**37.95**
117373CB	BenchPro BP-1949	4000	11	100µV	400m - 400	4 - 400	400µ - 10	400µ - 10	400 - 4M	50n - 100µ	—		5 - 50k	-20 to 1000	—	✔		✔		✔		✔		7.7 x 3.6 x 1.6	**117373CB**	**89.95**	**67.46**
137462CB	BenchPro BP-1737	4000	11	100µV	400m - 400	4 - 400	400µ - 10	400µ - 10	400 - 4M	50n - 100µ	—		5 - 50k	-20 to 1000	—	✔		✔		✔		✔	✔	7.7 x 3.6 x 1.6	**137462CB**	**119.95**	**89.96**
117372CB	Metex M3850D	4000	14	100µV	400m - 1000	400m - 750	400µ - 20	400µ - 20	400 - 40M	4n - 400µ	—		4k - 40M	-40 to 1200	—	✔		✔	✔	✔	✔	✔		7.2 x 3.3 x 1.8	**117372CB**	**104.95**	**99.69**
215589CB	Metex M3890D	4000	15	100µV	400m - 1000	4 - 750	400µ - 20	400µ - 20	400 - 40M	4n - 200µ	—		4k - 4M	-40 to 1200	-40 to 2192	✔	✔	✔	✔	✔	✔	✔		7.8 x 3.5 x 1.7	**215589CB**	**99.95**	**94.99**
137461CB	Metex M3860D	4000	16	100µV	400m - 1000	400m - 750	40m - 20	40m - 20	400 - 40M	4n - 400µ	40m - 400m		4k - 40M	-40 to 1200	—	✔	✔	✔	✔	✔	✔	✔	✔	7.2 x 3.3 x 1.8	**137461CB**	**149.95**	**134.99**

* with non-contact voltage detector (100-600VAC range)

DMMs continued on pages 262 – 263.

DMMs continued on pages 262 – 263.

Velleman DVM890F
- 2000 count
- 11 functions



P/N 645571CB
$36.95

AEEC 2890
- 2000 count
- 11 functions
- Temp./frequency
- Tiltable display



P/N 177480CB
$54.95

Fluke 73-III
- 3200 count
- 9 functions
- Autorange/frequency
- Analog bargraph



P/N 182035CB
$191.05

Mastech MY68
- 3260 count
- 12 functions
- Autorange
- Analog bargraph



P/N 220767CB
$35.95

Extech EX330*
- 4000 count
- Non-contact AC voltage detector
- 9 functions



P/N 645626CB
$47.45

Metex ME-31
- 4000 count
- 10 functions/RS232
- Autorange
- Analog bargraph



P/N 216514CB
$56.95

Extech MN26
- 4000 count
- 11 functions
- Autorange
- Temp./frequency



P/N 211650CB
$39.95

BP-1949
- 4000 count
- 12 functions/RS-232
- Autorange
- Temp./frequency



P/N 117373CB
$89.95

BP-1737
- 4000 count
- 12 functions/RS-232
- Autorange
- Temp./frequency



P/N 137462CB
$119.95

Metex M3850D
- 4000 count
- 14 functions/RS-232
- Autorange
- Temp./frequency



P/N 117372CB
$104.95

Metex M3890D
- 4000 count
- 15 functions/USB
- Autorange
- Temp./frequency



P/N 215589CB
$99.95

Metex M3860D
- 4000 count
- 16 functions/RS232
- Autorange
- Temp./frequency



P/N 137461CB
$149.95

Test/Tools

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

See www.Jameco.com/DMM for accuracy and complete specifications

RoHS RoHS Compliant Product ⊕ RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

DMMs

See www.Jameco.com/DMM for accuracy and complete specifications

RoHS RoHS Compliant Product ⊕ RoHS Also Available

Extech MN35
- 2000 count
- 5 functions
- Temperature function



P/N 645618CB
$18.99

Mastech M300
- 2000 count
- 6 functions
- Extremely low cost



P/N 220812CB
$9.79

Velleman DVM850BL
- 2000 count
- 6 functions



P/N 355207CB
$16.75

Jameco JE110
- 2000 count
- 6 functions
- 100µV resolution



P/N 119212CB
$19.95

BP-1562
- 2000 count
- 6 functions



P/N 318781CB
$9.95

Mastech MAS830L
- 2000 count
- 7 functions
- Continuity test



P/N 220759CB
$13.95

Mastech MAS838
- 2000 count
- 8 functions
- Temperature



P/N 220741CB
$19.95

BP-1206
- 2000 count
- 8 functions
- Auto-zero



P/N 27116CB
$39.95

Extech MV110
- 2000 count
- 8 functions
- Tiltable display



P/N 197958CB
$36.95

Metex M3800
- 2000 count
- 8 functions
- Auto-zero



P/N 27115CB
$39.95

Mastech M9704
- 2000 count
- 8 functions
- Temp. & frequency



P/N 220783CB
$30.49

Mastech MY64
- 2000 count
- 11 functions
- Temp. & frequency



P/N 220775CB
$38.79

SALE

Jameco Part No.	Product No.	Display Count	No. of Functions	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)	Inductance Ranges (H)		Frequency Ranges (Hz)	Temperature Range °C	Temperature Range °F	Diode Test	Logic Test	Continuity Test	Transistor h_{FE} Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")	Jameco Part No.	Pricing 1	Pricing 5
Basic Measurement Functions																**Test Functions**				**Special Functions**							
645618CB	Extech MN35	2000	5	100µV	200m - 600	200 - 600	200m - 10	—	200 - 20M	—	—		—	-20 to 750	-40 to 1400	✔		✔						5.4 x 2.8 x 1.5	**645618CB**	**$18.99**	**$18.05**
220812CB	Mastech M300	2000	6	1mV	2 - 500	200 - 500	200mA	—	2k - 2M	—	—		—	—	—	✔		✔						4.7 x 2.7 x 0.8	**220812CB**	**9.79**	**8.85**
355207CB	Velleman DVM850BL	2000	6	100µV	200m - 100	200 - 600	200µ - 10	—	200 - 2M	—	—	⟷	—	—	—	✔		✔	✔					5.4 x 2.7 x 1.2	**355207CB**	**16.75**	**15.92**
119212CB	Jameco JE110	2000	6	100µV	200m - 1000	200 - 750	200µ - 10	—	200 - 2M	—	—		—	—	—	✔			✔					4.8 x 2.6 x 1.0	**119212CB**	**19.95**	**15.96**
318781CB	BenchPro BP-1562	2000	6	100µV	200m - 600	200 - 750	200µ - 10	—	200 - 2M	—	—		—	—	—	✔			✔					5.4 x 2.7 x 1.2	**318781CB**	**9.95**	**9.45**
220759CB	Mastech MAS830L	2000	7	100µV	200m - 600	200 - 600	200µ - 10	—	200 - 2M	—	—		—	—	—	✔		✔	✔					5.7 x 3.0 x 1.4	**220759CB**	**13.95**	**13.24**
220741CB	Mastech MAS838	2000	8	100µV	200m - 600	200 - 600	2m - 10	—	200 - 2M	—	—		—	-20 to 1000	—	✔		✔	✔					5.7 x 3.0 x 1.4	**220741CB**	**19.95**	**15.96**
27116CB	BenchPro BP-1206	2000	8	100µV	200m - 1000	200m - 700	20µ - 10	20µ - 10	200 - 20M	—	—		—	—	—	✔		✔	✔					6.8 x 3.5 x 1.4	**27116CB**	**39.95**	**35.95**
197958CB	Extech MV110	2000	8	100µV	200m - 1000	200m - 750	20µ - 10	20µ - 10	200 - 200M	—	—		—	—	—	✔		✔	✔					7.3 x 3.5 x 1.3	**197958CB**	**36.95**	**35.19**
27115CB	Metex M3800	2000	8	100µV	200m - 1000	200m - 700	20µ - 20	20µ - 20	200 - 20M	—	—		—	—	—	✔		✔	✔					6.8 x 3.5 x 1.4	**27115CB**	**39.95**	**35.95**
220783CB	M9704	2000	8	100µV	200m - 600	200m - 600	2m - 200m	2m - 200	200 - 20M	2nF - 20µF	—	⟷	20K	-20 to 1000	—	✔		✔	✔					7.6 x 4.0 x 1.5	**220783CB**	**30.49**	**27.75**
220775CB	Mastech MY64	2000	11	100µV	200m - 1000	200m - 700	2m - 10	2m - 10	200 - 200M	2n - 20µ	—		2k - 20k	-20 to 1000	—	✔		✔	✔					7.4 x 3.6 x 1.3	**220775CB**	**38.79**	**34.91**
645571CB	Velleman DVM890F	2000	11	100µV	200m - 1000	2 - 700	2m - 20	20m - 20	200 - 200M	2000p - 20µ	—		—	—	-58 to 1832	✔		✔	✔					6.7 x 3.5 x 1.5	**645571CB**	**36.95**	**35.15**
177480CB	AEEC 2890	2000	11	100µV	200m - 1000	2 - 700	2m - 10	200m - 10	200 - 20M	2n - 20µ	—		20k	-20 to 1000	—	✔		✔	✔					8.0 x 4.0 x 2.0	**177480CB**	**54.95**	**49.59**
182035CB	Fluke 73-III	3200	9	100µV	320m - 600	320m - 600	320m - 10	320m - 10	320 - 32M	—	—		—	—	—	✔		✔		✔	✔			6.6 x 3.0 x 1.1	**182035CB**	**191.05**	**181.95**
220767CB	Mastech MY68	3260	12	100µV	326m - 1000	3.26 - 700	326µ - 10	326µ - 10	326 - 32.6M	326n - 32.6µ	—		32.6k - 150k	—	—	✔		✔	✔	✔	✔			7.4 x 3.6 x 1.3	**220767CB**	**35.95**	**32.36**
645626CB	Extech EX330*	4000	9	100µV	.1m - 1000	.1m - 750	.1µ - 10	.1µ - 10	.1 - 40M	.001n - 200µ	—		.001 - 10M	-50 to 1000	-58 to 1832	✔		✔						5.7 x 2.9 x 1.6	**645626CB**	**47.45**	**45.15**
216514CB	Metex ME-31	4000	10	100µV	400m - 1000	400m - 750	4m - 20	4m - 20	400 - 4M	—	—		—	—	—	✔		✔		✔	✔	✔		7.3 x 3.3 x 1.5	**216514CB**	**56.95**	**54.15**
211650CB	Extech MN26	4000	11	100µV	400m - 600	400m - 600	400µ - 10	400µ - 10	400 - 40M	4n - 200µ	—	⟷	10 - 10M	0 to 760	0 to 1400	✔		✔		✔				4.8 x 2.4 x 1.6	**211650CB**	**39.95**	**37.95**
117373CB	BenchPro BP-1949	4000	11	100µV	400m - 400	4 - 400	400µ - 10	400µ - 10	400 - 4M	50n - 100µ	—		5 - 50k	-20 to 1000	—	✔		✔		✔		✔		7.7 x 3.6 x 1.6	**117373CB**	**89.95**	**67.46**
137462CB	BenchPro BP-1737	4000	11	100µV	400m - 400	4 - 400	400µ - 10	400µ - 10	400 - 4M	50n - 100µ	—		5 - 50k	-20 to 1000	—	✔		✔		✔		✔	✔	7.7 x 3.6 x 1.6	**137462CB**	**119.95**	**89.96**
117372CB	Metex M3850D	4000	14	100µV	400m - 1000	400m - 750	400µ - 20	400µ - 20	400 - 40M	4n - 400µ	—		4k - 40M	-40 to 1200	—	✔		✔	✔	✔	✔	✔		7.2 x 3.3 x 1.8	**117372CB**	**104.95**	**99.69**
215589CB	Metex M3890D	4000	15	100µV	400m - 1000	4 - 750	400µ - 20	400µ - 20	400 - 40M	4n - 200µ	—		4k - 4M	-40 to 1200	-40 to 2192	✔	✔	✔	✔	✔	✔	✔		7.8 x 3.5 x 1.7	**215589CB**	**99.95**	**94.99**
137461CB	Metex M3860D	4000	16	100µV	400m - 1000	400m - 750	40m - 20	40m - 20	400 - 40M	4n - 400µ	40m - 400m		4k - 40M	-40 to 1200	—	✔	✔	✔	✔	✔	✔	✔	✔	7.2 x 3.3 x 1.8	**137461CB**	**149.95**	**134.99**

* with non-contact voltage detector (100-600VAC range)

DMMs continued on pages 262 – 263.

DMMs continued on pages 262 – 263.

Velleman DVM890F
- 2000 count
- 11 functions



P/N 645571CB
$36.95

AEEC 2890
- 2000 count
- 11 functions
- Temp./frequency
- Tiltable display



P/N 177480CB
$54.95

Fluke 73-III
- 3200 count
- 9 functions
- Autorange/frequency
- Analog bargraph



P/N 182035CB
$191.05

Mastech MY68
- 3260 count
- 12 functions
- Autorange
- Analog bargraph



P/N 220767CB
$35.95

Extech EX330*
- 4000 count
- Non-contact AC voltage detector
- 9 functions



P/N 645626CB
$47.45

Metex ME-31
- 4000 count
- 10 functions/RS232
- Autorange
- Analog bargraph



P/N 216514CB
$56.95

Extech MN26
- 4000 count
- 11 functions
- Autorange
- Temp./frequency



P/N 211650CB
$39.95

BP-1949
- 4000 count
- 12 functions/RS-232
- Autorange
- Temp./frequency



P/N 117373CB
$89.95

BP-1737
- 4000 count
- 12 functions/RS-232
- Autorange
- Temp./frequency



P/N 137462CB
$119.95

Metex M3850D
- 4000 count
- 14 functions/RS-232
- Autorange
- Temp./frequency



P/N 117372CB
$104.95

Metex M3890D
- 4000 count
- 15 functions/USB
- Autorange
- Temp./frequency



P/N 215589CB
$99.95

Metex M3860D
- 4000 count
- 16 functions/RS232
- Autorange
- Temp./frequency



P/N 137461CB
$149.95

Test/Tools

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

See www.Jameco.com/DMM for accuracy and complete specifications

RoHS RoHS Compliant Product ⊕ RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

RoHS RoHS Compliant Product ⊕ RoHS Also Available

See www.Jameco.com/DMM for accuracy and complete specifications

Fluke 110
- 6000 count
- 10 functions
- Autorange
- Min/Max/Avg

Fluke 111
- 6000 count
- 12 functions
- Autorange
- Current

Fluke 112
- 6000 count
- 12 functions
- Autorange
- Backlit display
- Current



P/N 190967CB $127.05 | P/N 190975CB $148.05 | P/N 185527CB $158.45

Fluke 175
- 6000 count
- 12 functions
- Autorange
- Frequency



P/N 192655CB $211.05

Fluke 177
- 6000 count
- 12 functions
- Autorange
- Frequency



P/N 192663CB $193.95

Fluke 179
- 6000 count
- 13 functions
- Autorange
- Temperature
- Frequency



P/N 185535CB $243.55

Wavetek/MM 37XR
- 10,000 count
- 14 functions
- Inductance
- Autorange
- dB display



P/N 222527CB $129.49

Wavetek/MM 38XR
- 10,000 count
- 14 functions/RS232
- Autorange
- Temperature
- Frequency



P/N 222543CB $149.49

Mastech MY65
- 20,000 count
- 8 functions
- Capacitance



P/N 136590CB $73.49

BP-1415
- 20,000 count
- 8 functions
- Capacitance



P/N 318764CB $73.49

Metex M4640A
- 20,000 count
- 12 functions
- 4 displays
- Frequency



P/N 144872CB $132.95

Fluke 187
- 50,000 count
- 11 functions
- Autorange
- Temperature
- Frequency



P/N 222375CB $414.75

Fluke 189
- 50,000 count
- 13 functions
- Data logging
- Temperature
- Frequency



P/N 182043CB $425.25

DMMs continued from pages 260-261.

Jameco Part No.	Product No.	Display Count	No. of Functions	Basic Measurement Functions: Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)	Inductance Ranges (H)		Frequency Ranges (Hz)	Temperature Range °C	Temperature Range °F	Test Functions: Diode Test	Logic Test	Continuity Test	Transistor hFE Test	Special Functions: Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")	Jameco Part No.	Pricing 1	Pricing 5
190967CB	Fluke 110	6000	10	1mV	6 - 600	6 - 600	—	—	600 - 40M	1000n - 10,000µ	—		99.99 - 50k	—	—	✔		✔		✔	✔		✔	11.8 x 7.0 x 3.0	190967CB	$127.05	$121.00
190975CB	Fluke 111	6000	12	1mV	6 - 600	6 - 600	6 - 10	10	600 - 40M	1000n - 10,000µ	—		99.99 - 50k	—	—	✔		✔		✔	✔		✔	11.8 x 7.0 x 3.0	190975CB	148.05	141.00
185527CB	Fluke 112	6000	12	1mV	6 - 600	6 - 600	6 - 10	10	600 - 40M	1000n - 10,000µ	—		99.99 - 50k	—	—	✔		✔		✔	✔		✔	11.8 x 7.0 x 3.0	185527CB	158.45	150.95
192655CB	Fluke 175*	6000	12	100µV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999µ	—		99.99 - 99.99k	—	—	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	192655CB	211.05	201.00
192663CB	Fluke 177*†	6000	12	100µV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999µ	—		99.99 - 99.99k	—	—	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	192663CB $208.95	193.95	184.95
185535CB	Fluke 179*†	6000	13	100µV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999µ	—		99.99 - 99.99k	-40 to 400	-40 to 752	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	185535CB	243.55	231.95
645562CB	Velleman DVM205AM‡	10,000	7	100µV	400m - 100V	400m - 750	400m - 10	400m - 10	400 - 40M	40n - 100µ	—		9.999 - 9.999M	-20 to 760	-4 to 1400	✔		✔						6.2 x 3.0 x 1.8	645562CB	61.69	59.55
222527CB	Wavetek/MM 37XR	10,000	14	100µV	1000m - 1000	1000m - 750	100m - 10	100m - 10	1000 - 40M	40n - 400µ	4m - 40	⟷	100 - 10M	—	—	✔	✔	✔		✔	✔		✔	7.8 x 3.6 x 2.4	222527CB	129.49	122.99
222543CB	Wavetek/MM 38XR	10,000	14	100µV	1000m - 1000	1000m - 750	100m - 10	100m - 10	1000 - 40M	40n - 400µ	—	⟷	100 - 10M	-20 to 1300	-4 to 2372	✔		✔		✔	✔	✔	✔	7.8 x 3.6 x 2.4	222543CB	149.49	141.99
136590CB	Mastech MY65	20,000	8	10µV	200m - 1000	2 - 700	2m - 10	2m - 10	200 - 200M	200p - 20µ	—		—	—	—			✔	✔					7.4 x 3.6 x 1.2	136590CB	73.49	66.15
318764CB	BenchPro BP-1415	20,000	8	10µV	200m - 1000	2 - 700	2m - 20	2m - 20	200 - 200M	2000p - 20µ	—		20k	—	—	✔		✔	✔					7.4 x 3.6 x 1.2	318764CB	73.49	66.15
144872CB	Metex M4640A	20,000	12	10µV	200m - 1000	200m - 750	2m - 20	2m - 20	200 - 20M	20n - 200µ	—	⟷	20k - 2M	—	—	✔		✔	✔		✔	✔		7.5 x 3.3 x 1.5	144872CB	132.95	126.35
222375CB	Fluke 187*	50,000	11	1µV	50m - 1000V	50m - 1000	500m - 10	500m - 10	500 - 500M	1n - 50µ	—		500 - 999.99k	-200 to 1350	-328 to 2462	✔				✔	✔		✔	8.0 x 3.9 x 2.0	222375CB	414.75	395.00
182043CB	Fluke 189*	50,000	13	1µV	50m - 1000V	50m - 1000	500m - 10	500m - 10	500 - 500M	1n - 50µ	—		500 - 999.99k	-200 to 1350	-328 to 2462	✔		✔		✔	✔		✔	8.0 x 3.9 x 2.0	182043CB	425.25	405.00
214308CB	Fluke 80BK temperature probe for Fluke 175/177/179/187/189 (Jameco P/Ns 192655CB /192663CB /185535CB /222375CB /182043CB respectively)												Fluke 80BK temperature probe for Fluke 175/177/179/187/189 (Jameco P/Ns 192655CB /192663CB /185535CB /222375CB /182043CB respectively)													214308CB	19.79	17.99

* Temperature probe available — see bottom of chart † with backlight ‡ see page 264 for photo

Pocket Analog Multimeter

- **DC/AC voltage ranges:** 0 – 500V
- **DC current ranges:** 0 – 250mA
- **Resistance ranges:** 0 – 1kΩ
- Size: 2.3"W x 1.2"D x 3.6"H

Includes: Insulated probes

Requires: 1.5V battery (recommend P/N 198707CB, pg 225)



Part No.	Description	1	10	50
206287CB	Pocket multimeter	$7.95	$6.76	$5.07

High Voltage AC/DC Test Probe

- Maximum voltages: DC: 40kV, AC: 40kV peak, 28kVrms
- Accuracy: DC: ±1.5%, AC: ±5%
- 10MΩ meter input impedance required
- Input/output impedance: 1,000MΩ/1.1MΩ
- Cable length: 39"
- Probe length: 14"
- Weight: 0.8 lbs.



Part No.	Description	1	10
132290CB	High volt. test probe⊕	$79.95	$72.95

Passive-Component Digital LCR Meter

- 4½-digit backlit LCD display
- Measures L, C, and R with secondary parameter Q, D or R; both are displayed
- **Inductance ranges:** 2000µH to 10,000H
- **Capacitance ranges:** 2000pF to 10mF
- **Resistance ranges:** 20Ω to 10MΩ
- Selectable parallel or series equivalent circuit
- Set HI/LO limits, absolute or percentage
- Bidirectional RS-232 port with optional software
- Max./Min./Avg. recording with auto power off
- Accuracy of 0.7% for L & C, 0.5% for R
- Test frequencies of 120Hz and 1kHz
- Dissipation Factor (D) reading: 0 to 0.9999
- Quality (Q) reading: 0 to 9999
- Size: 3.6"W x 2.1"D x 7.6"H • Weight: 0.8 lbs.

Includes: Test leads, alligator clips, 9V battery & holster



Part No.	Description	1	10
198678CB	LCR Meter⊕	$178.95	$160.95
189237CB	9VDC @ 300mA adapter⊕	4.65	3.57

Digital LCR Meter

- 3½-digit display (0.5" digit height)
- **Inductance ranges:** 200µH – 200H
- **Capacitance ranges:** 200pF – 2000µF
- **Resistance ranges:** 2mΩ – 20MΩ
- Dissipation factor measurement
- Size: 3.3"W x 1.4"D x 6.7"H
- Weight: 1.1 lbs.
- One-year warranty

Includes: Test leads and 9V battery



Part No.	Description	1	10	25
127538CB	LCR meter⊕ ...	$149.95	$134.95	$121.46

15A AC Line Separator for AC Current Clamp Meters

SALE

- Max. overload: 250VAC@15A
- X1 and X10 clamp areas
- Socket compatible with US & European connectors
- Convenient 0.1" dia. tip test points for neutral/earth/line



Part No.	Description	1	10	25
162325CB	3-prong US-type plug ...	$9.99	$8.99	$8.09

Mini DC/AC 2000-Count Clamp Meter/Multimeter

- Bright 1/2" LCD
- DATA HOLD
- 0.5" digit height
- Compatible with P/N 162325CB, below
- Size: 7.1"L x 1.9"W x 1.4"H
- Weight: 0.9 lbs.



ACA*	20A, 200A	±1.2% + 5d
DCA	200A	±1.2% + 5d
ACV*	500V	±1.0% + 2d
DCV	200V	±0.8% + 1d
Resistance	200Ω	±1.2% + 1d
*Frequency Response	40-400Hz	
Zero Adjust	External knob for DCA	

Requires: 9V battery not included (P/N 151095CB, pg 225)

Includes: Test leads, manual and case

Part No.	Description	1	10
115756CB	Mini DC/AC clamp meter⊕	$119.95	$107.95

50mV/50A Current Shunt

- Current range: 0 to 50A
- Accuracy: 0.8% ±0.2mV
- Output ratio: 1mV/1A
- Max. current: 100A



Part No.	Description	1	10	25
162309CB	Current shunt⊕	$24.95	$22.49	$19.95

400A AC/DC Clamp Meters/Multimeters

- Auto ranging with auto power-off
- Continuity beeper and diode test
- Data hold freezes current reading on display
- Over range and low battery indicators
- 0.9" (23mm) jaw size
- Overload protection
- Size: 7.9"L x 2.0"W x 1.4"D

Includes: Test leads, case, and 2 AAA batteries



373991CB



374070CB

373991CB (MA200):
- 2000 count LCD display
- Measure AC current, DCV, ACV, and resistance
- **AC current ranges:** 2A–400A; 0.001A max. resolution
- Basic current accuracy: ±2.5%
- **DC/AC voltage ranges:** 200mV – 600V; 0.1mV max. resolution
- Basic voltage accuracy: AC: ±1.5%; DC: ±1.2%
- **Resistance:** 200Ω – 20MΩ; 0.1Ω max. resolution

374070CB (MA220):
- 4000 count LCD display
- Measures AC/DC current, DCV, ACV, resistance, capacitance, frequency, temperature, and duty cycle
- **AC/DC current ranges:** 40A–400A; 0.01A max. resolution
- **DC/AC volt. ranges:** 400mV–600V; 0.1mV max. resolution
- **Resistance:** 400Ω–40MΩ; 0.1Ω resolution
- **Frequency ranges:** 5Hz–150kHz; 0.001Hz max. resolution
- **Capacitance ranges:** 40nF–1000µF; 0.01nF max. resolution
- **Duty cycle:** 0.5%–0.99%; 0.1% max. resolution
- **Temp. ranges:** -58˚ to +1830˚F (-50˚ to +1000˚C); 1˚ max. resolution
- Basic current accuracy: AC: ±3.0%; DC: ±2.5%
- Basic voltage accuracy: AC: ±2.0%; DC: ±1.5%
- One touch "Auto Zero"

Part No.	Product No.	Description	1	5
373991CB	MA200	400A AC current clamp meter/multimeter	$36.95	$35.10
374070CB	MA220	400A AC/DC current clamp meter/multimeter	74.95	71.20

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Test/Tools

Test/Tools

Color Code Legend: New Sale Lower$ QtySave

See www.Jameco.com/DMM for accuracy and complete specifications

RoHS RoHS Compliant Product ⊕ RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

RoHS RoHS Compliant Product ⊕ RoHS Also Available

See www.Jameco.com/DMM for accuracy and complete specifications

Fluke 110
- 6000 count
- 10 functions
- Autorange
- Min/Max/Avg

Fluke 111
- 6000 count
- 12 functions
- Autorange
- Current

Fluke 112
- 6000 count
- 12 functions
- Autorange
- Backlit display
- Current



P/N 190967CB $127.05 | P/N 190975CB $148.05 | P/N 185527CB $158.45

Fluke 175
- 6000 count
- 12 functions
- Autorange
- Frequency



P/N 192655CB $211.05

Fluke 177
- 6000 count
- 12 functions
- Autorange
- Frequency



P/N 192663CB $193.95

Fluke 179
- 6000 count
- 13 functions
- Autorange
- Temperature
- Frequency



P/N 185535CB $243.55

Wavetek/MM 37XR
- 10,000 count
- 14 functions
- Inductance
- Autorange
- dB display



P/N 222527CB $129.49

Wavetek/MM 38XR
- 10,000 count
- 14 functions/RS232
- Autorange
- Temperature
- Frequency



P/N 222543CB $149.49

Mastech MY65
- 20,000 count
- 8 functions
- Capacitance



P/N 136590CB $73.49

BP-1415
- 20,000 count
- 8 functions
- Capacitance



P/N 318764CB $73.49

Metex M4640A
- 20,000 count
- 12 functions
- 4 displays
- Frequency



P/N 144872CB $132.95

Fluke 187
- 50,000 count
- 11 functions
- Autorange
- Temperature
- Frequency



P/N 222375CB $414.75

Fluke 189
- 50,000 count
- 13 functions
- Data logging
- Temperature
- Frequency



P/N 182043CB $425.25

DMMs continued from pages 260-261.

Jameco Part No.	Product No.	Display Count	No. of Functions	Basic Measurement Functions: Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)	Inductance Ranges (H)		Frequency Ranges (Hz)	Temperature Range °C	Temperature Range °F	Test Functions: Diode Test	Logic Test	Continuity Test	Transistor hFE Test	Special Functions: Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")	Jameco Part No.	Pricing 1	Pricing 5
190967CB	Fluke 110	6000	10	1mV	6 - 600	6 - 600	—	—	600 - 40M	1000n - 10,000µ	—		99.99 - 50k	—	—	✔		✔		✔	✔		✔	11.8 x 7.0 x 3.0	190967CB	$127.05	$121.00
190975CB	Fluke 111	6000	12	1mV	6 - 600	6 - 600	6 - 10	10	600 - 40M	1000n - 10,000µ	—		99.99 - 50k	—	—	✔		✔		✔	✔		✔	11.8 x 7.0 x 3.0	190975CB	148.05	141.00
185527CB	Fluke 112	6000	12	1mV	6 - 600	6 - 600	6 - 10	10	600 - 40M	1000n - 10,000µ	—		99.99 - 50k	—	—	✔		✔		✔	✔		✔	11.8 x 7.0 x 3.0	185527CB	158.45	150.95
192655CB	Fluke 175*	6000	12	100µV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999µ	—		99.99 - 99.99k	—	—	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	192655CB	211.05	201.00
192663CB	Fluke 177*†	6000	12	100µV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999µ	—		99.99 - 99.99k	—	—	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	192663CB $208.95	193.95	184.95
185535CB	Fluke 179*†	6000	13	100µV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999µ	—		99.99 - 99.99k	-40 to 400	-40 to 752	✔		✔		✔	✔		✔	7.3 x 3.5 x 1.7	185535CB	243.55	231.95
645562CB	Velleman DVM205AM‡	10,000	7	100µV	400m - 100V	400m - 750	400m - 10	400m - 10	400 - 40M	40n - 100µ	—		9.999 - 9.999M	-20 to 760	-4 to 1400	✔		✔						6.2 x 3.0 x 1.8	645562CB	61.69	59.55
222527CB	Wavetek/MM 37XR	10,000	14	100µV	1000m - 1000	1000m - 750	100m - 10	100m - 10	1000 - 40M	40n - 400µ	4m - 40	⟷	100 - 10M	—	—	✔	✔	✔		✔	✔		✔	7.8 x 3.6 x 2.4	222527CB	129.49	122.99
222543CB	Wavetek/MM 38XR	10,000	14	100µV	1000m - 1000	1000m - 750	100m - 10	100m - 10	1000 - 40M	40n - 400µ	—	⟷	100 - 10M	-20 to 1300	-4 to 2372	✔		✔		✔	✔	✔	✔	7.8 x 3.6 x 2.4	222543CB	149.49	141.99
136590CB	Mastech MY65	20,000	8	10µV	200m - 1000	2 - 700	2m - 10	2m - 10	200 - 200M	200p - 20µ	—		—	—	—			✔	✔					7.4 x 3.6 x 1.2	136590CB	73.49	66.15
318764CB	BenchPro BP-1415	20,000	8	10µV	200m - 1000	2 - 700	2m - 20	2m - 20	200 - 200M	2000p - 20µ	—		20k	—	—	✔		✔	✔					7.4 x 3.6 x 1.2	318764CB	73.49	66.15
144872CB	Metex M4640A	20,000	12	10µV	200m - 1000	200m - 750	2m - 20	2m - 20	200 - 20M	20n - 200µ	—	⟷	20k - 2M	—	—	✔		✔	✔		✔	✔		7.5 x 3.3 x 1.5	144872CB	132.95	126.35
222375CB	Fluke 187*	50,000	11	1µV	50m - 1000V	50m - 1000	500m - 10	500m - 10	500 - 500M	1n - 50µ	—		500 - 999.99k	-200 to 1350	-328 to 2462	✔				✔	✔		✔	8.0 x 3.9 x 2.0	222375CB	414.75	395.00
182043CB	Fluke 189*	50,000	13	1µV	50m - 1000V	50m - 1000	500m - 10	500m - 10	500 - 500M	1n - 50µ	—		500 - 999.99k	-200 to 1350	-328 to 2462	✔		✔		✔	✔		✔	8.0 x 3.9 x 2.0	182043CB	425.25	405.00
214308CB	Fluke 80BK temperature probe for Fluke 175/177/179/187/189 (Jameco P/Ns 192655CB /192663CB /185535CB /222375CB /182043CB respectively)												Fluke 80BK temperature probe for Fluke 175/177/179/187/189 (Jameco P/Ns 192655CB /192663CB /185535CB /222375CB /182043CB respectively)													214308CB	19.79	17.99

* Temperature probe available — see bottom of chart † with backlight ‡ see page 264 for photo

Pocket Analog Multimeter

- **DC/AC voltage ranges:** 0 – 500V
- **DC current ranges:** 0 – 250mA
- **Resistance ranges:** 0 – 1kΩ
- Size: 2.3"W x 1.2"D x 3.6"H

Includes: Insulated probes

Requires: 1.5V battery (recommend P/N 198707CB, pg 225)



Part No.	Description	1	10	50
206287CB	Pocket multimeter	$7.95	$6.76	$5.07

High Voltage AC/DC Test Probe

- Maximum voltages: DC: 40kV, AC: 40kV peak, 28kVrms
- Accuracy: DC: ±1.5%, AC: ±5%
- 10MΩ meter input impedance required
- Input/output impedance: 1,000MΩ/1.1MΩ
- Cable length: 39"
- Probe length: 14"
- Weight: 0.8 lbs.



Part No.	Description	1	10
132290CB	High volt. test probe⊕	$79.95	$72.95

Passive-Component Digital LCR Meter

- 4½-digit backlit LCD display
- Measures L, C, and R with secondary parameter Q, D or R; both are displayed
- **Inductance ranges:** 2000µH to 10,000H
- **Capacitance ranges:** 2000pF to 10mF
- **Resistance ranges:** 20Ω to 10MΩ
- Selectable parallel or series equivalent circuit
- Set HI/LO limits, absolute or percentage
- Bidirectional RS-232 port with optional software
- Max./Min./Avg. recording with auto power off
- Accuracy of 0.7% for L & C, 0.5% for R
- Test frequencies of 120Hz and 1kHz
- Dissipation Factor (D) reading: 0 to 0.9999
- Quality (Q) reading: 0 to 9999
- Size: 3.6"W x 2.1"D x 7.6"H • Weight: 0.8 lbs.

Includes: Test leads, alligator clips, 9V battery & holster



Part No.	Description	1	10
198678CB	LCR Meter⊕	$178.95	$160.95
189237CB	9VDC @ 300mA adapter⊕	4.65	3.57

Digital LCR Meter

- 3½-digit display (0.5" digit height)
- **Inductance ranges:** 200µH – 200H
- **Capacitance ranges:** 200pF – 2000µF
- **Resistance ranges:** 2mΩ – 20MΩ
- Dissipation factor measurement
- Size: 3.3"W x 1.4"D x 6.7"H
- Weight: 1.1 lbs.
- One-year warranty

Includes: Test leads and 9V battery



Part No.	Description	1	10	25
127538CB	LCR meter⊕ ...	$149.95	$134.95	$121.46

15A AC Line Separator for AC Current Clamp Meters

SALE

- Max. overload: 250VAC@15A
- X1 and X10 clamp areas
- Socket compatible with US & European connectors
- Convenient 0.1" dia. tip test points for neutral/earth/line



Part No.	Description	1	10	25
162325CB	3-prong US-type plug ...	$9.99	$8.99	$8.09

Mini DC/AC 2000-Count Clamp Meter/Multimeter

- Bright 1/2" LCD
- DATA HOLD
- 0.5" digit height
- Compatible with P/N 162325CB, below
- Size: 7.1"L x 1.9"W x 1.4"H
- Weight: 0.9 lbs.



ACA*	20A, 200A	±1.2% + 5d
DCA	200A	±1.2% + 5d
ACV*	500V	±1.0% + 2d
DCV	200V	±0.8% + 1d
Resistance	200Ω	±1.2% + 1d
*Frequency Response	40-400Hz	
Zero Adjust	External knob for DCA	

Requires: 9V battery not included (P/N 151095CB, pg 225)

Includes: Test leads, manual and case

Part No.	Description	1	10
115756CB	Mini DC/AC clamp meter⊕	$119.95	$107.95

50mV/50A Current Shunt

- Current range: 0 to 50A
- Accuracy: 0.8% ±0.2mV
- Output ratio: 1mV/1A
- Max. current: 100A



Part No.	Description	1	10	25
162309CB	Current shunt⊕	$24.95	$22.49	$19.95

400A AC/DC Clamp Meters/Multimeters

- Auto ranging with auto power-off
- Continuity beeper and diode test
- Data hold freezes current reading on display
- Over range and low battery indicators
- 0.9" (23mm) jaw size
- Overload protection
- Size: 7.9"L x 2.0"W x 1.4"D

Includes: Test leads, case, and 2 AAA batteries



373991CB



374070CB

373991CB (MA200):
- 2000 count LCD display
- Measure AC current, DCV, ACV, and resistance
- **AC current ranges:** 2A–400A; 0.001A max. resolution
- Basic current accuracy: ±2.5%
- **DC/AC voltage ranges:** 200mV – 600V; 0.1mV max. resolution
- Basic voltage accuracy: AC: ±1.5%; DC: ±1.2%
- **Resistance:** 200Ω – 20MΩ; 0.1Ω max. resolution

374070CB (MA220):
- 4000 count LCD display
- Measures AC/DC current, DCV, ACV, resistance, capacitance, frequency, temperature, and duty cycle
- **AC/DC current ranges:** 40A–400A; 0.01A max. resolution
- **DC/AC volt. ranges:** 400mV–600V; 0.1mV max. resolution
- **Resistance:** 400Ω–40MΩ; 0.1Ω resolution
- **Frequency ranges:** 5Hz–150kHz; 0.001Hz max. resolution
- **Capacitance ranges:** 40nF–1000µF; 0.01nF max. resolution
- **Duty cycle:** 0.5%–0.99%; 0.1% max. resolution
- **Temp. ranges:** -58˚ to +1830˚F (-50˚ to +1000˚C); 1˚ max. resolution
- Basic current accuracy: AC: ±3.0%; DC: ±2.5%
- Basic voltage accuracy: AC: ±2.0%; DC: ±1.5%
- One touch "Auto Zero"

Part No.	Product No.	Description	1	5
373991CB	MA200	400A AC current clamp meter/multimeter	$36.95	$35.10
374070CB	MA220	400A AC/DC current clamp meter/multimeter	74.95	71.20

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Test/Tools

Test/Tools

Color Code Legend: New Sale Lower$ QtySave

Automotive Digital Multimeter

velleman



- RPM (2/4/5/6/8 cylinder) range: 0 – 10,000RPMs
- **Dwell angle:** 0-180°
- **Temperature ranges:** -20˚C to +760˚C (-4˚F to 1400˚F)
- Large 4-digit backlight LCD display (1" character height)
- Resolution: 100µV max.
- **DC voltage ranges:** 400mV to 750V
- **AC voltage ranges:** 400mV to 750V
- **DC / AC current ranges:** 400µA to 10A
- **Resistance ranges:** 400Ω to 40MΩ
- **Capacitance ranges:** 40nF to 100µF
- **Frequency ranges:** 9.999Hz to 9.999MHz
- Auto/Manual selection range
- Diode and continuity tests
- Data hold + relative function
- Overload protection • Auto power off
- Size: 6.2"H x 3.0"W x 1.8"D • Weight: 1.3 lbs.

NEW

Includes: Manual, 9V battery, test probes, and temperature probe

Part No.	Product No.	1	10	25
645562CB	DVM205AM ⊕	$61.69	$59.55	$56.59

2000-Count Multimeters



- Resolution: 100µV maximum
- **DC voltage ranges:** 200mV – 1000V
- Size: 7.5"W x 9.6"D x 2.5"H
- Weight: 2.6 lbs.

FLUKE

160830CB: 3 1/2-Digit
- **DC/AC current ranges:** 20µA – 10A
- **AC voltage ranges:** 200mV – 700V
- **Resistance ranges:** 200Ω – 20MΩ
- **Conductance ranges:** 2µS – 200nS

203801CB: 3 1/2-Digit
- **DC/AC current ranges:** 20µA – 2A
- **AC voltage ranges:** 200mV – 700V
- **Resistance ranges:** 200Ω – 20MΩ
- **Conductance ranges:** 2µS – 200nS

421542CB: 3 1/2-Digit
- **DC/AC current ranges:** 200µA – 2A
- **AC voltage ranges:** 200mV – 750V
- **Resistance ranges:** 200Ω – 20MΩ
- **Conductance ranges:** 2mS – 200nS
- **Frequency ranges:** 20Hz – 50kHz

✣ Refurbished = Backed by Jameco

Part No.	Product No.	Price
160830CB	8010A	$199.95
203801CB	8012A✣	~~$199.95~~ 155.95
421542CB	8050A✣	219.95

Detailed specifications for Oscilloscopes at www.Jameco.com/OScopes

Over 99% of Our Products Are In Stock



Place your order by 6PM EST for same business day shipment.

4000-Count True-RMS Benchtop Multimeter with RS-232



Protek

- 9 functions, 32 ranges
- 3¾-digit backlit LCD display with bargraph
- Auto/manual ranging
- True RMS AC volts and amps
- Resolution: 100µV maximum
- **DC voltage ranges:** 400mV – 1000V (0.3% accuracy)
- **AC voltage ranges:** 4V – 750V
- **DC/AC current ranges:** 4mA – 10A
- **Resistance ranges:** 400Ω – 40MΩ
- **Capacitance ranges:** 4nF – 40µF
- **Frequency ranges:** 100Hz – 600kHz
- Diode and continuity test • Delay hold mode
- Min., max., and relative hold function
- Input voltage: 9V battery or 90-132VAC/ 198-264VAC @ 50-60Hz • Weight: 3.3 lbs.
- Size: 9.0"W x 9.4"D x 3.3"H • Two-year warranty

Includes: Manual, test leads, power adapter, 9V battery, RS-232 cable and software (98/ME/2000/XP compatible)

Part No.	Product No.	1	5
230586CB	B940	$148.95	$141.55

20,000-Count True-RMS Benchtop Multimeter



EZ DIGITAL

- 4½-digit green LCD
- DC accuracy: 0.05%
- Full overload protection
- Resolution: 10µV max.
- **DC voltage ranges:** 200mV – 1000V
- **AC voltage ranges:** 200mV – 750V
- **DC/AC current ranges:** 2mA – 10A
- **Resistance ranges:** 200Ω – 20MΩ
- **Frequency** measurement up to 200kHz
- Continuity check with beeper
- Data hold, diode check, transistor h_{FE} measurement available
- Size: 9.9"L x 9.8"W x 3.6"H • Weight: 6.1 lbs.
- One-year manufacturer's warranty

Part No.	Product No.	1	10	25
132564CB	DM441	$269.95	$256.49	$243.49

20,000-Count Benchtop Multimeter w/ RS-232, Analog Bar & 4 Displays



METEX®

- Automatic polarity indicator
- 1-2 readings/second
- DC accuracy: 0.1% +5 digits
- 10 reading storage and compare
- Resolution: 10µV max.
- **DC voltage ranges:** 200mV – 1000V
- **AC voltage ranges:** 200mV – 750V
- **DC/AC current ranges:** 2mA – 20A
- **Resistance ranges:** 200Ω – 20MΩ
- **Frequency ranges:** 20kHz – 20MHz
- Min., max., average, relative functions
- Logic, diode, transistor h_{FE} and continuity test
- Size: 11.2"L x 8.2"W x 3.2"H • Weight: 7.5 lbs.

Includes: Manual, power cable, probes and software

Part No.	Product No.	1	10
166852CB	MXD4660A	$249.95	$224.95

Handheld 2MHz Digital Oscilloscope with 3½-Digit Multimeter



velleman

- 10MHz for repetitive signals; 2MHz for single shot events
- Input impedance: 1MΩ/20pF
- Max. input voltage: 100V peak (AC + DC)
- Input coupling: DC, AC, and GND (GND for auto zero reference)
- LCD graphics display: 64 x 128 pixels
- Vertical resolution: 8-bit
- Timebase range: 0.2µs to 1 hr./div
- Input sensitivity: 5mV to 20V/div
- Linearity: ±1 bit • Screen hold
- Trigger mode: run, normal, once, and ± slope
- True RMS and dB measurements
- High contrast 3.3" diagonal LCD display
- Recommend 9VDC @ 300mA power supply (133891CB, pg 216)
- Weight: 1.0 lb.
- Batteries not included (recommend 151087CB, pg 225)



355207CB (DVM850) can be purchased separately, pg 261

Includes: DVM850 multimeter (below) and insulated BNC-to-alligator clip measurement probes

6-Function Multimeter:
- 3½ digit w backlight, 2000 count
- Data hold function
- **DC voltage ranges:** 200mV to 100V
- **AC voltage ranges:** 200/600
- **DC current ranges:** 200µA to 10A
- **Resistance ranges:** 200Ω to 2MΩ
- Diode, transistor and continuity test
- Power supply: 9V battery (included)
- Size: 2.7"W x 1.2"D x 5.4"H

Free DMM!

Part No.	Description	1	5
355485CB	2MHz Oscilloscope w/ DMM (HPS10 + DVM850)	$194.95	$185.25

Handheld 5MHz Digital Oscilloscope with true-RMS Multimeter



EXTECH INSTRUMENTS

- 5MHz bandwidth
- Record length: 512 single shot, 256 all other functions
- Sample mode: single shot, roll, normal
- Vertical sensitivity: 50mV max.
- Input volt.: 600VDC or AC RMS max.
- Trigger modes: auto, normal, single
- Trigger source: channel A, channel B, external
- Trigger coupling: AC, DC
- Timebase: 1uS to 5S
- Input impedance: 1MΩ
- Sampling time: 25MS/s dual channel; 50MS/s single channel
- 132 x 128 pixel super-twist two level backlit display
- Data hold and low battery indications
- RS-232 PC interface and software for transferring waveforms and data • Resolution: 100uV max.
- **DC voltage ranges:** 0.001V to 1000V
- **AC (TRMS) voltage ranges:** 0.001V to 750V
- **Resistance ranges:** 1Ω to 5MΩ
- **Frequency ranges:** 0.01Hz to 10MHz
- **RPM ranges:** 240 to 60,000 RPMS
- Size: 3.5"W x 1.8"D x 7.7"H

NEW

Includes: Test leads, alligator clips, Ni-MH battery pack, AC adaptor/charger, RS-232 cable, holster, and carrying case.

Part No.	Product No.	1	5
645651CB	381295	$427.49	$406.15

Test/Tools

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

2MHz Panel Mount Oscilloscope

This compact scope at only 1.4" deep is perfect for continuous monitoring and system analysis.



- High contrast LCD display with backlight, 128 x 64 pixels
- Maximum sample rate: 10MHz for repetitive signals (2MHz for single shot events)
- Maximum input amplifier bandwidth: 2MHz
- Input impedance: 1Mohm / 20pF
- Maximum input voltage: 100Vpeak (AC +DC); 200Vp-p (AC only)
- Input coupling: DC, AC, and GROUND
- Vertical resolution: 8-bit
- Trigger modes: Run, normal, roll mode for 1s/div and slower time base
- Signal storage: 256 samples max., 125 samples visible
- dBm measurement: - 73dB to 40dB*
- dBV measurement: -75dB to 38dB*
- True RMS measurement: 0.1mV to 80V*
- Peak to peak AC range: 0.1mV to 160V*
- Timebase ranges in 32 steps: 0.2uS to 1 hour / division
- Input sensitivity ranges in 12 steps: 5mV to 20V / division @ x1; 50mV to 200V / division @ x10
- Input voltage: 6VAC or 9VDC@300mA
- Size: 6.5"W x 3.5"H x 1.4"D • Weight: 1.0 lb.

NEW

Totally Unique

Part No.	Product No.	1	5
645280CB	VPS10	$189.99	$184.99

*Increased performance with x10 probe

Handheld 5MHz Oscilloscope with 4000-Count Digital Multimeter



221962CB

METEX®

SALE

- 128 x 128 pixel graphic STN LCD
- E/L backlight
- PC interface via RS-232
- Memory and recall for 4 values
- Temperature measurement

Oscilloscope:

- DC-5MHz bandwidth; 20MS/sec. sampling rate; single channel
- Vertical axis: 3 steps (±0.5/5/50 volts) with 4 divisions
- Horizontal axis: 16 steps (800ns/div to 26.2ms/div) in 8 divisions
- Trigger: auto and internal mode, slope and 5 trigger level selectable
- Text display for peak to peak, min./max. voltage and frequency

Digital Multimeter:

- 3¾-digit with 43 segment bargraph
- Auto ranging; triple display for related reading; data and range hold; auto/min/max hold and relative offset
- **DC voltage ranges:** 400mV – 1000V
- **AC voltage ranges:** 4V – 750V
- **DC/AC current ranges:** 400uA – 400mA
- **Resistance ranges:** 400Ω – 40MΩ
- **Frequency ranges:** 4kHz – 4MHz
- **Temperature ranges:** -40˚C – +1200˚C
- **Capacitance ranges:** 4nF – 400µF
- Diode and continuity
- Size (unit): 3.4"W x 1.5"D x 8.0"H • Weight: 3.9 lbs.

Includes: Manual, power adapter and test leads

Part No.	Description	1	5
221962CB	MS-1280	$329.95	$313.49
221938CB	RS-232 cable & software	19.95	18.95
221946CB	Scope probe	24.95	23.69

Handheld 12MHz Digital Oscilloscope w/ 3½-Digit DMM



- 40MS/s for repetitive signals (10MS/s for single shot events)
- Input impedance: 1MΩ/20pF
- Maximum input voltage: 100Vpeak (AC+DC), 200V peak-peak (AC only)
- Input coupling: DC, AC and GND
- LCD graphics display: 112 x 92 pixels
- Vertical resolution: 8-bit ±1-bit linearity
- Timebase range: 32 steps; 50ns to 1hr./div
- Input sensitivity range: 12 steps; 5mV to 20V/div
- True RMS and dB measurements
- Trigger mode: run, normal, once, and roll modes
- High contrast LCD display
- Recommend 9VDC @ 300mA wall adapter (P/N 133891CB, pg 216)
- Batteries not included (recommend 151087CB, pg 225)
- Size: 8.0"H x 4.1"W x 1.4"D
- Weight: 1.0 lb.



355207CB (DVM850) can be purchased separately, pg 261

Includes: DVM850 DMM & probes

Multimeter:

- 6-functions • Data hold function
- 3½-digit w/ backlight, 2000 count
- **DC voltage ranges:** 200mV to 100V
- **AC voltage ranges:** 200/600V
- **DC current ranges:** 200µA to 10A
- **Resistance ranges:** 200Ω to 2MΩ
- Diode, transistor, and continuity test
- Power supply: 9V battery (included)
- Size: 2.7"W x 1.2"D x 5.4"H

Free DMM!

Part No.	Description	1	5
373157CB	12MHz Oscilloscope with DMM (HPS40 + DVM850)	$373.95	$355.30

Handheld 20MHz Digital Oscilloscope & Multimeter

METEX®



162430CB

- 4-in-1: digital oscilloscope, DMM, frequency counter & logic analyzer
- **Oscilloscope**: 2-channel input, 5mV-2V/div; DC-20MHz(-3dB); 50ns - 0.5us/div; 20 MS/s sampling rate
- **Logic analyzer:** 8 inputs; 1.4V threshold level; 35VDC max. input; 50ns min. pulse width
- **Digital multimeter:** 3¾-digit (max. 3999 counts); 40 segment analog bargraph; AC/DC voltage 400mV-600V; AC current 40µA-400mA; DC current 400µA-400mA; resistance 400Ω-40MΩ; continuity & diode testing
- **Frequency counter:** 5Hz-20MHz; 5 digit max.; autoranging; AC/DC/DC input coupling; ±10ppm accuracy; 35Vrms/42V-P/60VDC max. input
- Oscilloscope probes: Use P/N 22891CB or 216047CB, pg 267 • One-year warranty
- Battery required for portable use (see below)
- Size: 10.0"L x 5.0"W x 2.0"H • Weight: 9.2 lbs.

Includes: Manual, 5VDC @ 3A power supply, power cord, DMM test leads, holster and case

Part No.	Description	1	5
162430CB	20MHz digital scope	$799.95	$759.95
162974CB	Logic probe	59.95	53.95
163141CB	Rechargeable battery	45.95	41.49
162966CB	RS-232 cable & software	26.95	24.25
221946CB	Scope probe	24.95	23.69

20MHz Industrial Scopemeter®

FLUKE

Digital Scope, 15-Function Digital Multimeter & Recorder



The Fluke 123 is the ideal choice for troubleshooting industrial machinery, instrumentation, control and power systems. It automatically recognizes signal patterns and sets up correct triggering, timing, and amplitude for stable displays.

Part No.	Description	Price
162747CB	Fluke 123-003 w/o software	$899.95

30MHz 2-Channel Digital Oscilloscope w/ 3½-Digit DMM



- 240MS/s for repetitive signals, 60MS/s for single shot events
- 2 channels
- Input impedance: 1MΩ / 20pF
- Maximum input voltage: 100Vpeak (AC+DC), 200Vp-p (AC only)
- Input coupling: DC, AC, and GND
- LCD graphic display: 128 x 192 pixels w/ LED backlight
- Vertical resolution: 8-bit ±1-bit linearity
- Timebase range: 35 steps; 25ns to 1hr./div
- Input sensitivity: 14 steps; 1mV to 20V/div
- Trigger mode: run, normal, once, and roll modes
- True RMS and dB measurements
- Recommend 9VDC @ 500mA regulated power supply (228890CB, pg 214)
- 6V @ 1800mA NiMH rechargeable battery pack included
- Size: 9.0"H x 5.9"W x 1.7"D
- Weight: 1.9 lbs.



355207CB (DVM850) can be purchased separately, pg 261

Includes: DVM850 DMM & probes

Multimeter:

- 6-functions
- 3½-digit w/ backlight, 2000 count
- Data hold function
- **DC voltage ranges:** 200mV to 100V
- **AC voltage ranges:** 200/600V
- **DC current ranges:** 200µA to 10A
- **Resistance ranges:** 200Ω to 20MΩ
- Diode, transistor, and continuity test
- Power supply: 9V battery (included)
- Size: 2.7"W x 1.2"D x 5.4"H

Free DMM!

Part No.	Description	1	5
373165CB	30MHz Oscilloscope w/ DMM (APS230 + DVM850)	$738.95	$702.05

Commercial Customer

Open an account with us to consolidate your monthly billing and to save time.



Call us today at 1-800-831-4242

Test/Tools

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

PC-MultiScope 20MHz 2-Channel Digital Oscilloscope

mission technology



Turn your PC into a digital storage oscilloscope for 1/2 the cost of a DSO!

SALE

- 100MHz sampling; dual channel
- Chart recorder and FFT mode
- 5mV to 5V per div.; 20MHz bandwidth; ext. trigger
- 0-4MHz sine and square wave signal generator
- Triple power supply; 5VDC @ 500mA and ±0-8VDC @ 250mA • One-year warranty
- Size: 4.3"L x 5.0"W x 1.5"H • Weight: 3.8 lbs.

Includes: Parallel port cable, AC adapter, alligator clip probe, Windows® 3.1/95/98 software

Part No.	Description	1	10
163230CB	PC-MultiScope 3 ... ~~$579.95~~	$549.95	$524.95

50MHz Digital PC-Based Oscilloscope, Spectrum Analyzer and Transient Recorder



velleman

- Sampling frequency: 1.25kHz–50MHz real-time; 1GHz repetitive
- Input impedance: 1MΩ/30pF
- Parallel Port Interface
- Inputs: 2 channels, 1 external trigger input
- Max. input voltage: 100V (AC and DC)
- Power required: 9V to 10V @ 1000mA (recommend P/N 364576CB, pg 216)

Oscilloscope:
- Timebase: 20ns–100ms per division
- Input sensitivity: 5mV–15V per division with auto step-function
- Recording length: 4096 samples per channel

Spectrum Analyzer:
- Frequency range: 0 to 25MHz

Transient Recorder:
- Time scale: 20ms/div–2000s/div
- Max. recording time: 9.4 hours/screen
- Max. number of samples: 100/s

System requirements: IBM compatible PC, Windows® 95/98/ME, SVGA card, mouse, printer port, CD-ROM

Includes: 2 test leads, PC parallel cable, manual and CD-ROM software

Part No.	Product No.	1	5
200184CB	PCS500AU	$478.95	$429.95

20MHz 2-Channel Analog Oscilloscope



EZ DIGITAL

Blue CRT for higher resolution!

- 6" rectangular high-resolution blue CRT with internal graticule & scale
- Vertical deflection: 5mV/div to 5V/div in 10 calibrated steps
- Horizontal deflection: 0.2µs/div to 0.2s/div in 19 calibrated steps, 1-2-5 sequence
- Max. signal input voltage: 250V (DC and peak AC)
- ADD function measures sum of two signals
- Input voltage: 98-125VAC @ 1A, 198-225VAC @ 0.5A, 50-60Hz, 45W
- Two-year manufacturer's warranty
- Size: 16.4"L x 12.6"W x 5.3"H • Weight: 20.8 lbs.

Includes: Two (X1/X10) 40MHz probes, power cord, manual, and block diagram

Part No.	Product No.	1	5
136098CB	OS5020	$399.95	$385.95

20MHz 2-Channel Analog Oscilloscope with 1MHz Function Generator



2 Instruments in 1

EZ DIGITAL

- Basic specs same as OS5020 (above)

Function generator
- Frequency range: 0.1Hz to 1MHz (7 ranges)
- Output waveforms: sine, triangle, square, TTL pulse
- Output impedance: 50Ω
- Output voltage: 14Vp-p
- Size: 12.6"L x 12.6"W x 6.8"H • Weight: 23.8 lbs.
- Two-year manufacturer's warranty

Includes: Two X1/X10 40MHz probes, power cord, manual, BNC to alligator, and cable

Part No.	Product No.	1	10
94650CB	OS5020G	$529.95	$499.95

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 305.

20MHz 2-Channel Analog Oscilloscope with Built-in Component Checker



Protek

- 6" rectangular CRT with internal graticule
- Built-in component checker/tester for resistors, capacitors, coils, diodes
- Vertical sensitivity: 5mV/div to 20V/div in 12 calibrated steps (1-2-5 sequence)
- Input impedance: 1MΩ, 20pF
- Max. input (vertical amplifier): 300VDC or AC peak
- Horizontal sweep time: 0.2µs/div to 0.5s/div in 20 calibrated steps (1-2-5 sequence)
- Internal trigger sensitivity: 20Hz to 20MHz
- Size: 17"L x 14"W x 5.75"H • Weight: 15.5 lbs.

Includes: Two X1/X10 60MHz probes, power cord, and operations manual

Part No.	Product No.	1	5
201857CB	P-3502C	$394.95	$375.19

20MHz 2-Channel Analog Oscilloscope with Alt-Mag and 1mV/div Sensitivity



Protek

- Large 6" CRT with internal graticule
- Alt-Mag sweep for simultaneous displays of the main and X5 magnified trace
- Auto-focus
- Input voltage: 100V, 120V, 220V, 240V @ 50-60Hz (selectable)
- Size: 14.8"L x 13.4"W x 5.5"H • Weight: 24 lbs.

Vertical Amplifier
- Sensitivity – 1mV/div to 1V/div (X5 Mag); 5mV/div to 5V/div in 10 steps (1-2-5 seq.)
- Bandwidth: (-3dB): DC to 20MHz
- Input impedance: 1M ohms, 25pF
- Maximum input voltage: 400V (DC or AC peak)

Horizontal Sweep
- Sweep time: 0.1uS/div to 0.2S/div in 20 steps (1-2-5 seq); X5 mag: 20nS/div to 40mS/div

Triggering
- Sensitivity: Internal – DC to 2MHz: 2 divisions; 2MHz to 20MHz: 3 divisions

Includes: X1 and X10 probes, power cord & manual

Part No.	Product No.	1	5
220679CB	PROTEK 6502	$429.95	$408.45

100MHz 2-Channel Analog Oscilloscope



EZ DIGITAL

- 2-channel dual trace
- Delay line
- Auto focusing according to intensity
- Weight: 22.8 lbs.
- Size: 16.9"L x 12.6"W x 5.5"H
- Two-year warranty

Includes: Two (X1/X10) 100MHz probes, power cord, and operations manual

Part No.	Product No.	1	5
121179CB	OS5100	$999.95	$964.95

INSTEK 150MHz 2-Ch Digital Oscilloscope

Color and Monochrome with RS-232/USB/ Parallel Interfaces



- Bandwidth (-3dB): 150MHz • 15 memory settings • FFT function
- Real-time sample rate: 100MS/s maximum on each channel; equivalent: 25GS/s • 2 channels with 8-bit vertical resolution
- Record length 125k/CH • Auto set vertical, horizontal, and trigger level
- Vertical sensitivity: 2mV/div – 5V/div
- Time base range: 1nS/div – 10S/div
- Trigger sensitivity: DC – 25MHz: 0.35div or 3.5mV; 25MHz – 150MHz: 1.5div or 10mV
- Input voltage: 100-240VAC @ 50-60Hz
- Frequency counter: 6 digits ±50ppm; AC coupled, 10Hz – 150MHz
- Size: 12.2"W x 10.0"D x 5.6"H • Weight: 9.3 lbs.
- Two-year warranty

229358CB: Monoch. w/ RS-232/USB/parallel interface
229366CB: Color with RS-232/USB/parallel interface

Includes: BNC cable, power cord & operations manual

Part No.	Product No.	1	5
229358CB	GDS-820S	$1,259.95	$1,196.95
229366CB	GDS-820C	1,439.95	1,367.95

Detailed specifications for Oscilloscopes at www.Jameco.com/OScopes

100MHz Delayed Sweep Analog Oscilloscope w/ Frequency Counter

2 Channel, 4 Trace



- DC to 100MHz bandwidth
- 6" rectangular CRT with internal graticule
- Auto set, readout cursor, delay sweep, hold-off functions
- Z-axis intensity modulation: DC to 2MHz bandwidth; 30VDC + peak AC max. input voltage
- Vertical deflection factor: 2mV/div to 5V/div
- Horizontal time base A/B deflection: 5ns/div to 0.5s/div in 22 calibrated steps
- Input coupling: AC, GND, DC
- Rise time: 3.5ns or less • Weight: 17.6 lbs.

Includes: Two X1/X10 100MHz probes, power cord, and operations manual

Part No.	Product No.	1	5
190932CB	OS5100RB	$1,199.95	$1,139.95

150MHz Modular Oscilloscope Probe

velleman NEW

- Working voltage: 600VDC and 600V peak AC
- Length: 3.9'



Rise Time Attenuation		Bandwidth (±3dB) Attenuation		Impedance (R/C) Attenuation	
x1	x10	x1	x10	x1	x10
35ns	2.33ns	10MHz	150MHz	1MΩ/46pF	10MΩ/11pF

Part No.	Product No.	1	10	50
645589CB	PROBE150	$39.95	$37.95	$35.95

Modular Oscilloscope Probes



22891CB 216047CB 236777CB

- Hook and pointed probes
- **216047CB/236777CB**: with IC test ground cover and spring ground contact
- Length: 5' • Alligator clip ground wire
- BNC male connector
- Maximum input voltage: 600V

Part No.	Bandwidth (±3dB) Attenuation x1	Bandwidth (±3dB) Attenuation x10	Impedance (R/C)* Attenuation x1	Impedance (R/C)* Attenuation x10
22891CB	6MHz	60MHz	1MΩ/180pF	10MΩ/22pF
216047CB	6MHz	100MHz	1MΩ/47pF	10MΩ/16pF
236777CB	6MHz	250MHz	1MΩ/47pF	10MΩ/14pF

* with 20pF oscilloscope input

Part No.	Cross Ref. No.	1	10	50
22891CB	LF101E ⊕	$24.95	$22.46	$20.21
216047CB	HF-9100	34.95	29.95	26.95
236777CB	HP-9250	45.95	43.39	37.25

PROBE MASTER Oscilloscope Probes

Designed for use with Tektronix and Hewlett Packard oscilloscopes.



174473CB



212257CB

- 3 position switch: x1, ref, x10
- Bandwidth @ 3dB: 10MHz (x1); 150MHz (x10)
- Loading: 57pF, 1MΩ (x1); 15pF, 10MΩ (x10)
- Low-resistance gold contacts
- Cord length: 5'

174473CB: 7-piece kit
212257CB: 25-piece kit

Part No.	Product No.	1	10
174473CB	4901-02 (150MHz) ⊕	$49.95	$44.99
212257CB	4915A (250MHz) ⊕	149.95	142.49

Pomona 100MHz Probe Set

SALE



- Complete accessory kit included
- Attenuation: x1/x10
- Bandwidth: 15/100MHz (-3dB)
- Rise time: 23.33/3.5ns
- Input resistance: 1/10MΩ
- Capacitance: 64/10.5pF
- Compensation range: 10~60pF • 48" cable

Part No.	Product No.	Description	1	10
156451CB	4550B	Probe kit ~~$51.95~~	$46.79	$42.59

Pomona 300MHz Probe Set



- Attenuation: X10
- Bandwidth (-3dB): 300MHz
- Rise time: 1.17 ns
- Input resistance: 10 MΩ
- Capacitance: 17pF
- Compensation range: 10~60 pF • 47" cable

♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Part No.	Product No.	Description	1	5
571233CB	5809B♠	Probe kit	$90.29	$85.75

17MHz Logic Probe



- Max input freq.: 17MHz
- Minimum pulse width: 30ns
- Input impedance: 1MΩ
- Pulse flash time: 500ms
- Audible tones for high and low
- Power supply protection: ±20V
- TTL threshold: Lo = 0.8V ±0.2V, Hi = 2.3V ±0.2V
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC
- Size: 7.7"L x 1.0"W x 0.6"H

Part No.	Description	1	10	25
149930CB	Logic probe	$29.95	$26.99	$24.29

For additional Test Leads see pages 272 - 274.

Logic Pulser



- Compatible with TTL, DTL and CMOS ICs
- 1MΩ sync input impedance
- "One shot" or continuous 5Hz train pulse
- Pulse repetition rate: 0.5pps/400pps
- Pulse width output at 100mA load: 10µs
- Pulse mode output current: 10mA
- Square wave current output: 5mA
- Size: 7.8"L x 1.0"W x 0.6"H

Part No.	Description	1	10	25
24601CB	Logic pulser	$21.95	$19.76	$17.78

100MHz Logic Analyzer USB Interface





DigiView™ is a new 18-channel, 100MHz logic analyzer with professional quality and high portability. DigiView™ uses a deep-capture buffer and real time hardware compression to achieve long period captures without reducing resolution.

- 18-channels, 100MHz
- USB interface and power source for portability
- Real time hardware compression
- Compression ratio up to 256,000:1
- Trigger on rising, falling, or transition of any channel
- Pre-trigger and post-trigger data capture
- Captures up to 5 minutes of data @ 10ns resolution

Part No.	Description	1	5
256866CB	USB logic analyzer	$498.95	$474.09
256874CB	Cable replacement	29.95	28.49
256882CB	Grabber clip set (10)	29.95	28.49

METEX® 4-in-1 Universal System

With Function Generator, Universal Counter, DC Power Supply & Digital Multimeter

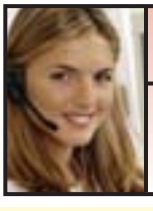


Less Bench Space – Great Convenience

- **Function generator** capable of generating seven forms of waves (sine, square, triangle, skewed sine, ramp, pulse, and TTL square wave) in seven frequency ranges from 0.2Hz to 2MHz
- **Universal counter** capable of measuring frequency ranges from 5Hz to 1.3GHz
- **DC power supply** capable of generating 5V @ 2A, 15V @ 1A fixed and 0 to 30V @ 0 to 2A variable
- **Digital multimeter** with ranges of: DC voltage (400mV to 100V), AC voltage (400mV to 750V), DC/AC current (40mA to 20A), resistance (400Ω to 40MΩ), capacitance (4nF to 400µF) and forward resistance of a semiconductor junction in kΩ
- Size: 14.5"W x 14.0"D x 7.0"H
- Weight: 37 lbs. • One-year warranty

Includes: Manual, cables and software

Part No.	Product No.	1	5
160864CB	MS9150	$549.95	$499.95



Committed to You

We're committed to providing you with the best service in the industry.

1.5GHz Frequency Counter

2 Channels



- Input voltage: 115/230VAC @ 50-60Hz (switchable)
- Gate time: 0.01s, 0.1s, 1s, 10s
- 9-digit green LED display
- Frequency range: 0.1Hz to 150MHz (A input); 50MHz to 1.5GHz (B input)
- Resolution: 0.1nHz to 10Hz (A input); 0.1Hz to 100kHz (B input)
- Frequency, period, totalize, RPM • Weight: 5.3 lbs.
- Size: 10.3"L x 10.0"W x 3.2"H • One-year warranty

Includes: Fuse, manual and BNC cable

Part No.	Product No.	1	5
55790CB	FC-7150	$284.95	$259.95

2MHz Sweep Function Generator with Frequency Counter



- Frequency range: 0.02Hz–2MHz in 7 ranges
- Sweep width: 1:1 to 100:1; rate: 20ms to 25s (.5Hz-50Hz)
- Output impedance: 50Ω ±5%
- Frequency counter range: 0.2Hz to 50MHz
- Maximum input voltage: 150VRMS @ 1kHz
- Input voltage: 115/230VAC @ 50-60Hz (switchable)
- Size: 10.3"L x 10.0"W x 3.2"H
- Weight: 5.8 lbs. • One-year warranty

Includes: Probe and detachable power cord

Part No.	Product No.	1	5
94676CB	FG7002C ~~$329.95~~	$295.95	$266.35

2MHz & 10MHz Sweep Function Generators w/ Frequency Counter



Function Generator

- Wave forms: sine, square, triangle, skewed, ramp, pulse & TTL level square
- Frequency: 2Hz to 2MHz in 7 ranges (192671CB); 1Hz to 10MHz (221911CB)
- Output amplitude: 2 to 20Vpp at openload; 1 to 10Vpp at 50Ω load
- Output impedance: 50Ω ±10%
- Offset variable range (max.): ±10VDC at open load
- Frequency sweep time: 20ms to 2s

Frequency Counter

- Measuring range: channel A: 1Hz to 20MHz; channel B: 20MHz to 2.7GHz
- Input sensitivity: channel A: 20mVRMS sine wave or 100mVp-p; channel B: 40mVRMS for 20MHz to 1.3GHz; 70mVrms for 1.3GHz to 2.7GHz
- Maximum input voltage: channel A: 35Vp-p; channel B: 3Vp-p
- Input impedance: channel A, 1MΩ; channel B, 50Ω
- Data logging and graphic software
- Size: 11.0"L x 8.2"W x 3.7"H • Weight: 13.4 lbs.

Includes: Coax and power cable, manual, serial cable and software

Part No.	Description	1	5
192671CB	2MHz/2.7GHz	$319.95	$303.95
221911CB	10MHz/2.7GHz	417.95	396.99

2MHz & 3MHz Function Generators w/ Frequency Counter

Function Generator



- Wave forms: sine, triangle, square, TTL, and CMOS output; 229260CB has ramp
- Frequency ranges: **229251CB:** 0.2Hz – 2MHz in 7 ranges; **229260CB:** 0.3Hz – 3MHz in 7 ranges
- Output amplitude: >10Vp-p into 50Ω load
- Output impedance: 50Ω ±10%
- DC offset range: <-5V to > +5V into 50Ω load
- Voltage controlled frequency function
- Variable DC offset control



Frequency Counter

- Input voltage: 115/230VAC @ 50-60Hz
- Weight: 4.4 lbs. • Two-year warranty

229251CB:

- 4-digit LCD display
- Ranges: 0.2Hz to 2MHz internal only; with resolution of 0.1Hz to 1kHz
- Size: 9.1"W x 11.0"D x 3.7"H

229260CB:

- 6-digit LCD display
- Ranges: INT/EXT switch, 0.3Hz to 3MHz internal and 5Hz to 150MHz external; resolution of 10nHz to 0.1Hz
- Size: 9.9"W x 11.5"D x 3.6"H

Includes: Power cord, operations manual and leads

Part No.	Product No.	Description	1	5
229251CB	GFG-8020H	2MHz	$259.95	$246.95
229260CB	GFG-8216A	3MHz	279.95	251.99

2MHz Function Generator



- Frequency range: 0.02Hz to 2MHz
- Waveforms: sine, triangle, square, ramp, TTL pulse, skewed sine
- DC offset voltage from 0 to ±10V; can be superimposed to output waveform
- Variable waveform/duty cycle symmetry
- Output volt.: 20Vp-p (open circuit), 10Vp-p (into 50Ω)
- Input voltage: 110V/220V 50-60Hz
- Size: 10.0"L x 8.0"W x 3.0"H • Weight: 5.4 lbs.
- One-year manufacturer's warranty

Includes: Cord, BNC to clip cable, fuse and manual

Part No.	Product No.	1	5	10
66069CB	FG8002	$189.95	$179.95	$169.95

5MHz Function Generator



- Waveforms: sine, square, triangle and ramp
- 0.5 to 5MHz
- 100% DC offset
- Variable duty cycle
- Output impedance: 50Ω
- Coarse and fine tuning
- Two-year warranty
- Size: 10.4"W x 11.7"D x 3.4"H
- Weight: 6.2 lbs.

Part No.	Prod. No.	Description	1	5
160469CB	BK4011A	0.5 to 5MHz	$314.95	$304.79

3MHz Function Generator



- Square, triangle, and sine waves; TTL and CMOS pulse outputs
- Frequency: 0.3Hz to 3MHz in 7 ranges
- Output impedance: 50Ω ±10%
- CMOS output level: 4Vpp, ±1Vpp to 14.5Vpp; ±0.5Vpp adjustable
- DC offset: <-5V to >+5V into 50Ω load
- Variable controlled frequency input
- Variable DC offset control
- Signal polarity invert button • Duty cycle control
- Size: 9.6"W x 11.5"D x 3.7"H • Weight: 4.4 lbs.

Part No.	Product No.	1	5
222594CB	FG2C	$239.95	$234.95

30-Watt Digital Benchtop Power Supply



- Single output, adjustable from 1.5VDC to 30VDC
- Compact design
- Input voltage: 85-264VAC @ 47-63Hz
- Output terminals
- Large digit backlit display
- 1A fixed current output
- Overload and short-circuit protection
- Size: 5.5"L x 5.2"W x 1.6"H • Weight: 1.2 lbs.

Part No.	Product No.	1	10
301971CB	PSU130	$79.95	$75.95

30-Watt Digital Benchtop Power Supply

NEW



- Single output
- Adjustable 0 – 30V voltage output
- Adjustable 0 – 1A current output
- Max. display resolution: 0.1V / 10mA
- Color coded banana plug output jacks
- Input voltage: 120VAC @ 60Hz
- Size: 9.4"H x 4.3"W x 6.1"D • Weight: 4.4 lbs.

Part No.	Product No.	1	5
645600CB	382200	$113.15	$107.39

We're Listening to What You Need

Our goal is to provide you with more of what you want.
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Please send requests to **NewProducts@Jameco.com**.

Detailed specifications for Function Generators
www.Jameco.com/FunctionGen

90-Watt Digital DC Power Supply

30V @ 3A

- Input voltage: 110/220VAC @ 50-60Hz
- Resolution: 1% ±1 digit accuracy
- Constant voltage and current operation
- Size: 5.1"W x 10.1"D x 5.9"H



Part No.	Description		1	5
489184CB	DRP-303D	NEW	$189.95	$179.95

90-Watt Digital DC Power Supply

30VDC @ 3A

- Constant current and constant voltage operation
- Can be used for positive or negative source
- Overload protection circuit
- Input voltage: 100/240VAC @ 50-60Hz
- Size: 5.2"W x 5.6"H x 10.0"D
- Weight: 10.9 lbs.
- One-year warranty



EZ DIGITAL

Part No.	Product No.	1	10
121152CB	GP4303D	$189.95	$179.95

100-Watt Triple Output Digital and Analog DC Power Supplies

30VDC @ 3A

EXTECH INSTRUMENTS

- Triple output with fixed 5VDC @ 0.5A, 12VDC @ 0.5A
- Adjustable 0 – 30V voltage and 0 – 3A current outputs
- Displays of both voltage and current
- Constant voltage or current
- Current limiting indicator
- Overload and short circuit protection
- Binding post terminals for variable supply



197991CB



197982CB

- Input voltage: 110/220VAC @ 50-60Hz (switchable)
- Size: 9.5"L x 6.0"W x 5.6"H • Weight: 10.0 lbs.

Part No.	Description	1	10
197991CB	Digital DC	$198.95	$178.95
197982CB	Analog DC	168.95	151.95

150-Watt Digital Power Supply

30VDC @ 5A

- Adjustable voltage/current outputs • 2A @ 250V fuse
- Constant voltage and current operation • Dual digital display
- LCD displays for both current and voltage
- Coarse/fine adjustment knobs for current and voltage



- Input voltage: 110/220VAC @ 50-60Hz (switchable)
- Color-coded terminals for positive, negative and ground connections
- Size: 5.4"W x 10.7"D x 6.0"H
- Weight: 13.8 lbs. • One-year warranty

Part No.	Description	1	10	25
153242CB	30VDC @ 5A ⊕	$234.95	$211.49	$190.35

45W to 600W Benchtop Power Supplies

- Voltage and current adjustable
- Current restricted and short-circuit protection
- Input voltage: 110/220 ±10% VAC

Analog display power supplies
- Accuracy: 2.5%

Digital display power supplies
- Voltage accuracy: 1% + 2 digits
- Current accuracy: 1.5% + 2 digits

Quantity SAVE



301920CB



207706CB



207618CB



211692CB

Single Output

Part No.	Product No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
301920CB	HY1503C ⊕	2-Analog	45	15/3	3.8 x 6.3 x 9.1	9	$99.95	$94.95
301866CB	HY3003D ⊕	2-Digital LCD	90	30/3	5.4 x 6.2 x 11.5	10	179.95	170.95
207618CB	HY3005C ⊕	2-Analog	150	30/5	5.4 x 6.2 x 11.5	14	159.95	144.95
207626CB	HY3010C ⊕	2-Analog	300	30/10	10.4 x 6.5 x 14.4	31	299.95	224.96
207693CB	HY5002 ⊕	2-Digital LED	100	50/2	5.4 x 6.2 x 11.5	13	189.95	142.46
301911CB	HY3005D ⊕	2-Digital LCD	150	30/5	5.4 x 6.2 x 11.5	13	224.95	213.70
207706CB	HY5003 ⊕	2-Digital LED	150	50/3	5.4 x 6.2 x 11.5	13	249.95	224.95
207600CB	HY5005 ⊕	2-Digital LED	250	50/5	10.4 x 6.5 x 14.4	17	299.95	239.96
207634CB	HY3010 ⊕	2-Digital LED	300	30/10	10.4 x 6.5 x 14.4	31	399.95	305.00
207685CB	HY3020 ⊕	2-Digital LED	600	30/20	10.4 x 6.5 x 14.4	42	499.95	449.95

Multiple Output

Part No.	Product No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
211721CB	HY3002-2 ⊕	2-Digital LED	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	$249.95	$194.00
211705CB	HY3002D-2 ⊕	4-Digital LCD	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	269.95	202.46
211692CB	HY3003D-2 ⊕	4-Digital LCD	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	289.95	259.95
211730CB	HY3003-2 ⊕	2-Digital LED	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	299.95	230.00
211713CB	HY3003-3 ⊕	2-Digital LED	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	319.95	287.95
211684CB	HY3003D-3 ⊕	4-Digital LCD	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	329.95	296.95
301946CB	HY3005D ⊕	4-Digital LCD	300	0-30/5; 0-30/5	10.4 x 6.5 x 14.4	26.5	349.95	332.45
301954CB	HY3005D-3 ⊕	4-Digital LCD	315	0-30/5; 0-30/5; 5/3	10.4 x 6.5 x 14.4	29	369.95	351.45
301938CB	HY3005 ⊕	2-Digital LED	315	0-30/5; 0-30/5; 5/3	10.5 x 6.5 x 14.3	10	199.95	189.95
301962CB	HY5003-2 ⊕	2-Digital LED	300	0-50/3; 0-50/3	10.4 x 6.5 x 14.4	26	339.95	322.95

150-Watt Power Supply

50VDC @ 3A



- Adjustable voltage/current outputs • Constant voltage & current operation
- Color-coded terminals for ground, positive and negative terminals
- Color-coded adjustment knobs for voltage, current and fine adjustment
- Input voltage: 110VAC @ 60Hz • 3A @ 115V fuse
- One-year warranty

Part No.	Description	Color	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
163723CB	50VDC @ 3A ⊕	Dark gray	9.0 x 4.75 x 7.5	12.3	$143.95	$136.75	$129.89

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200W Programmable Switching Power Supplies with PC Interface



INSTEK

- Voltage regulation: ≤10mV load; ≤0.05% line
- Current regulation: ≤5mA load; ≤0.05% line
- Output ON/OFF control
- Ripple: ≤20mV$_{RMS}$; ≤10mA$_{RMS}$
- Over-voltage/over-current/over-power/over-temperature protection
- Standard RS-232C 9-pin female interface
- Input voltage: 115/230VAC @ 50-60Hz
- Size: 8.9"W x 12.0"D x 3.9"H
- Weight: 8.8 lbs. • Two-year warranty

Includes: Power cord, operations manual & test leads

Part No.	Product No.	Description	1	5
229323CB	PSP-2010	0-20V @ 0-10A	$349.95	$332.45
229294CB	PSP-603	0-60V @ 0-3.5A	349.95	332.45

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Analog Power Supplies

150 to 225-Watt

- Color-coded adjustment knob and output terminals for voltage
- Voltage and current panel meter
- Cigarette lighter plug for current output
- LED indicator for power and warning
- Constant voltage operation • Built-in fan



175265CB



175257CB



175249CB

175265CB: 15VDC @ 10A
- Output current: 15A max.
- Input voltage: 110VAC @ 60Hz
- Over-voltage, over-current, short-circuit protection

175257CB: 15VDC @ 15A
- Output current: 25A max. (22A continuous @ 13.8VDC)
- Input voltage: 110VAC/220VAC @ 47-63Hz (switchable)
- Over-voltage protection @ 16.5V • Short-circuit protection @ 27.5A

Part No.	Cross Ref. No.	Output Voltage	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
175265CB	DPS150A ⊕	2-15VDC	5.7 x 6.2 x 4.0	12.0	$149.95	$134.95	$129.95
175257CB	SPS250A ⊕	9-15VDC	5.6 x 6.2 x 4.0	3.8	159.95	143.95	129.56

250-Watt

- Color-coded adjustment knob & output terminals • Adjustable voltage/current outputs • 5A @ 250V fuse
- Input voltage: 110VAC @ 50-60Hz • Constant voltage & current operation • Isolated ground

Part No.	Cross Ref. No.	Output Voltage	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
175249CB	DPS5050 ⊕	0-50VDC	4.9 x 7.7 x 6.7	13.8	$189.95	$179.95	$171.49

Digital Sound Level Meter

- Type 2 meter with manual data store; recalls up to 99 readings
- High accuracy
- Wide decibel range: 25dB to 130dB
- Max/min recording with elapsed time stamp
- A & C weighing
- Large 2000 count LCD display with analog bargraph
- AC/DC analog output
- 0.5" condenser microphone
- Size: 10.3"H x 2.6"W x 1.0"D

EXTECH INSTRUMENTS

NEW



Part No.	Product No.	1	5
645642CB	407730	$75.15	$71.29

Digital Light Meter

- Measures in Lux and footcandle ranges
- Range: Lux – 0 - 50,000 Lux (3 ranges); footcandle – 0 - 5,000 Fc (3 ranges)
- Analog output connectors for external recording
- Separate light sensor for optimum location sampling
- 0.5" digit height
- Dimensions (sensor probe): 3.2"L x 2.2"W x 0.5"H
- Weight: 0.9 lbs. • One-year warranty



Part No.	Description	1	10
131764CB	Digital light meter ⊕	$99.95	$89.95

Electromagnetic Radiation Meter

Electromagnetic radiation is all around us, some good, some bad. But, there's never been an easier, more portable device to detect and measure it until the ZAP Checker. Now you can measure your microwave oven's emissions or take engineering measurements of HF, VHF, or UHF transmissions. ZAP Checker does it all. Its portability, multiple settings, ultra-high sensitivity and expanded bandwidth allows you to search out EMR whenever and wherever needed.

- 10MHz to 4.5GHz



Totally Unique

Part No.	Description	1	10
217808CB	ZAP checker	$129.95	$114.95

Temperature/Humidity Meter with Min/Max Memory

- Displays (%) relative humidity and temperature (˚C/˚F) simultaneously
- Min./Max. memory on both relative humidity and temperature with reset function
- Temperature range: 14˚F to 140˚F (-10˚C to 60˚C);
- Humidity range: 10% to 99%
- 1" high readout • Size: 4.3"L x 3.9"W x 0.8"Thick



EXTECH INSTRUMENTS

Includes: Built-in tilt stand, AAA battery, and wall mounting bracket

✪ Blue P/N = Limited Quantity Available

Part No.	Product No.	1	10	25
198045CB	445703✪	$36.95	$35.09	$33.35

Non-Contact Infrared Thermometers w/ Laser Pointer

- Built-in laser pointer identifies target area
- Field of view: 6:1 (6" distance measures 1" target)
- Automatic data hold when trigger released and auto power off
- Fixed 0.95 emissivity covers 90% of surface application

SALE

EXTECH INSTRUMENTS



236451CB

Includes: 9V battery

236451CB:
- Temperature range: -4˚F to 500˚F (-20˚C to 260˚C)
- Basic accuracy: ±3% of reading
- Backlighting illuminates display while measuring at night or in areas with low light levels
- Size: 6.7"L x 1.7"W x 1.6"D

211588CB:
- Temperature range: 0˚F to 600˚F (-20˚C to 320˚C)
- Basic accuracy: ±2% of reading
- 2000-count backlit LCD display
- Audible and visible over-range indicators
- Size: 8.3"L x 3.5"W x 1.5"D



211588CB

Part No.	Product No.	1	10
236451CB	42500	~~$79.95~~ $74.95	$67.49
211588CB	42529	88.95	84.50

Free Technical Support

Our knowledgeable Tech Support Department is ready to answer your questions. Just call us! 1-800-831-4242

Hygro/Infrared Thermometer

Combination humidity meter plus infrared thermometer features a super large backlit dual display. The primary display is user selectable for IR or humidity, while the secondary display always displays ambient temperature. The infrared thermometer has a built-in laser pointer with an 8:1 distance to target ratio.

EXTECH INSTRUMENTS



SALE

- ˚C/˚F • Auto power off
- Data hold and MAX
- Humidity ranges: 10.0 to 95.0% with ±3.5% accuracy
- Air temperature ranges: -4˚F to +140˚F (-20˚C to +60˚C) with ±3˚F (2˚C) accuracy
- IR temperature ranges: -58˚F to +932˚F (-50˚C to +500˚C); ±2% or ±4˚F (2˚C) accuracy
- Size: 2.8"W x 1.4"D x 5.9"H • Weight: 0.5 lbs.

Includes: Stand, holster, probe, battery and case

Part No.	Description	1	5
285974CB	Hygro/infrared thermometer	~~$148.95~~ $132.95	$120.59

Committed to You

We're committed to providing you with the best service in the industry.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Pocket IR Thermometer with Laser Pointer

The pocket IR thermometer measures the surface temperature of objects which are difficult to reach or unsafe to contact. It also measures hot spots in electrical panels and equipment. In-process temperature measurements. With a 6:1 ratio field of view and built-in laser for improved aim, it covers 90% of surface applications for temperature measurement.

- Temperature range: -58˚F to 518˚F (-50˚C to 270˚C)
- Built-in laser pointer to improve aim
- ˚F/˚C switchable
- Fixed emissivity (0.95) covers 90% of surface applications
- Visual overrange indicator
- 6:1 field of view
- Data hold and max hold
- Pocket size meter
- Size: 3.8"L x 2.0"W x 0.9"D

EXTECH INSTRUMENTS

Best Seller!



Includes: 2 AA batteries

Part No.	Description	1	5
219361CB	Pocket IR thermometer	$59.99	$56.99

Mini Thermo-Anemometer

Waterproof, pocket size with air velocity, temperature and windchill, all in one. Ideal for checking blowers, fans, exhaust hoods and balancing AC/HT ducts.

EXTECH INSTRUMENTS



- 0˚F to 122˚F (-18˚C to 50˚C)
- Measures wind speed in ft/min. MPH, m/s, km/h, knots and Beaufort force
- Large dual display for air velocity and temperature
- Water resistant housing floats and drop tested to 6'

Includes: CR2032 lithium battery and lanyard

Part No.	Product No.	1	5
218085CB	45118	$88.95	$84.49

RS-232 Mini-Tester with Status LEDs

Tests any RS-232 (DB25) interface and helps to identify equipment that has failed. Seven bicolor LEDs indicate the status of TD, RD, RTS, CTS, DSR, CD and DTR. LEDs indicate positive (red) and negative (green). No extra power is required. Connectors: male to female DB25.



Part No.	Description	1	10	100
26729CB	Mini-tester ⊕	$11.95	$10.76	$9.68

RS-232 Line Status Tester

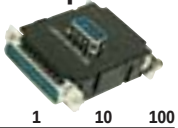
Identifies simple interface problems which you can repair yourself. Targets the status of lines 2, 3, 4, 5, 6, 8, 11, 19, and 20. Connectors: male to female DB25.



Part No.	Description	1	10	100
14285CB	Check line tester ⊕	$8.95	$8.09	$7.25

RS-232 Signal Adapter/Splitter

- Metal connectors: DB25 female and male, and DB9 male
- Gold-plated contacts



Part No.	Description	1	10	100
105195CB	Tri-port serial adapter ⊕	$7.95	$6.95	$5.95

Network and CATV Cable Tester

EXTECH INSTRUMENTS

Continuity tester for twisted pair cables and F-type CATV coax cables.



- Tests for shorts, opens, miswires, and reversals
- Tests EIA/TIA568A and 568B, 10Base-T
- Shield detection test
- Tests cable lengths from 3 ft. to 600 ft.
- Size: 3.25"H x 2.0"W x 1.25"D
- Includes 2 AAA batteries

Low Cost!

Part No.	Product No.	Price
645634CB	CT100	$28.49

NEW

Miniature RS-232 Breakout Box for Quick Design Changes

Design new interfaces or modify old ones quickly and easily. Completely self-contained. Connectors: male to female DB25.



Includes: 25 each 22 AWG wire jumpers and machine tool sockets

Part No.	Description	1	10	100
11181CB	Breakout box ⊕	$8.95	$7.95	$6.95

Flexible Multilink RS-232 Tester & Breakout Box



Visually indicates the status of lines 2, 3, 4, 5, 6, 8, 20, and 22 on the DTE and DCE sides. Provides signal status at a glance. Complete cable "breakout" and econfiguration. Connectors: DB25 male & DB25 female.

- Cable length: 4"
- Size: 3.5"L x 3.3"W x 1.0"H

Includes: Handy carrying case, 10 jumper wires and a device wiring chart

Part No.	Description	1	10	25
25945CB	Tester/breakout box ⊕	$22.95	$19.95	$17.95

LANtest Network and Modular Cable Tester

GC



- Tests 10Base-T, 10Base-2 thin ethernet cable, RJ45/RJ11 modular cables, 356A, TIA568A/568B and token ring cable.
- Easy to verify cable continuity, open, short and miswire
- Can test the grounding
- Power switch provided for saving battery power

NEW

Part No.	Product No.	1	10	50
615136CB	45-5767-0000	$115.79	$104.24	$93.82

RS-232 Loopback Tester

The tester acts as a data verifier by sending data back to the transmission device. Used for diagnostic testing of RS-232 circuits. 4 LEDs monitor lines 2 to 3, 4 to 5, 6 to 20, and 15 to 17. Connectors: male to female DB25.



Part No.	Description	1	10	100
22728CB	Loopback tester ⊕	$6.95	$5.95	$4.45

PC Cable-Check® Pro

This powerful universal cable tester troubleshoots and maps 20 types of computer cables for opens, shorts, crosses, and good connections. PC Cable-Check Pro tests any combination of D-sub 9-pin, D-sub 15-pin, D-sub 25-pin, Centronics 36-pin printer, USB-A and USB-B, Mini USB, PS/2, RJ-11, RJ-45, BNC female–female cables and Firewire.



- Easy to read LED indicators for mapping connections
- Auto power off, auto scan, and manual scan

Paladin Tools®

Includes: 9V battery

Part No.	Product No.	Price
652480CB	1577	$164.95

NEW

How to Test Almost Everything Electronic



TAB Publishing Filled with easy-to-follow instructions on how to troubleshoot all types of electronic systems. Learn the many uses of electronic tools, test equipment and troubleshooting techniques.

- Size: 7.4" x 9.3"
- Weight: 1.3 lbs.

Part No.	Description	1	10
126199CB	How to Test Everything	$17.95	$16.15

Jameco's Got the Docs

We offer free technical documents for most of the products we carry. Find them easily on the product specification pages at **www.Jameco.com**

Test/Tools

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Abbatron Banana Plugs and Jacks

Insulated Banana Plugs



- Male
- Contact material: brass
- Contact plating: nickel
- Connection hardware supplied
- Threaded and non-threaded



Banana Jacks



- Threaded and non-threaded
- Insulated and noninsulated
- Female
- Contact material: brass
- Contact plating: nickel
- Connection hardware supplied

Giant Insulated Banana Jacks



- Female • 1-3/16"
- Red and black

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Abbatron Banana Connector Offering at www.Jameco.com/Prod/Banana

Abbatron Binding Posts

Knob Type



- Spring loaded push cap tightly grips wire in side slot
- Connects with .08" phone tip plug, spade lug, 1/4" stranded banana plug, alligator clip, wires to #14 and shorting links
- Contact material: brass • Contact plating: tin

Spring Loaded



- Spring loaded push cap tightly grips wire in side slot
- Contact material: brass • Contact plating: nickel

Miniature



- Connects with .08" phone tip plug, miniature banana plug, alligator clip and wires to #18
- Post thread: #4-40
- Contact material: brass
- Contact plating: gold/nickel

Insulated



- Connects with .08" phone tip plug, 1/4" spade lug, standard banana plug, alligator clip, and wire
- Post thread: #10-32
- Contact material: brass
- Contact plating: tin/gold

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Abbatron Binding Post Offering at www.Jameco.com/Prod/BindingPosts

Abbatron Insulated Phone Tip Plugs



- Solderless • Black
- 1.8" length

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Abbatron Phone Tip Offering at www.Jameco.com/Prod/PhoneTips

Order Anytime, Day or Night

Our friendly sales department will take your order 24x7x365 by phone, fax, web or email.

Abbatron Test Leads

Patch Cords



- 36" • 18 AWG
- PVC insulation
- Offer reliable semi-permanent connections between instruments with a maximum of safety and reliability

Test Probes



- Solder or solderless
- ABS material
- 5-1/2" handle length • Threaded receptacle tip

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Abbatron Test Leads Offering at www.Jameco.com/Prod/TestLeads

Abbatron Printed Circuit Test Jacks



- Gold finish • 1500V
- 5A current max.
- Mount in .052" holes
- Molded nylon berylium copper spring

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Abbatron PC Jack Offering at www.Jameco.com/Prod/PCJacks

Abbatron Solder Lug Terminal Strips



- 4-terminal
- Electro-tin plated steel lugs are mounted on .062" thick flame-retardant phenolic

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Abbatron Terminal Strip Offering at www.Jameco.com/Prod/TerminalStrips

Gravhart Test Clips



- Rapid easy connectors
- Hexnut for adjusting tension

469108CB/469116CB: Ultra miniature
469124CB: Threadless standard
469087CB: Threaded stud standard
469095CB: Threaded stud miniature

NEW

Part No.	Prod. No.	Description	1	10	100
469108CB	02-41♠	Ultra mini	$2.75	$2.62	$2.49
469116CB	02-42♠	Ultra mini	2.95	2.80	2.65
469124CB	02-60♠	Threadless	2.39	2.32	2.24
469087CB	02-0♠	Threaded std	2.35	2.28	2.21
469095CB	02-20♠	Threaded mini	2.75	2.47	2.22

Pomona Banana Jacks & Plugs

571170CB: Banana Jack
- Contact size: 16 AWG (0.63")
- Black • Flexible tip

571129CB: Do-It-Youself Banana Plug
- Accepts 18-22 AWG • Black
- Ideal for creating special patch cord length

NEW



571170CB

Part No.	Prod. No.	Description	1	10	25
571170CB	3562-0♠	Jack	$3.55	$3.51	$3.33
571129CB	122505A♠	Plug	3.85	3.66	3.62

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Pomona Solderless Banana Plugs



159863CB 159855CB 159927CB

- Nickel-plated • Set screws secure leads
- ABS insulation • 5000VDC @ 15A • 50°C max.
- Sets include 1 black and 1 red

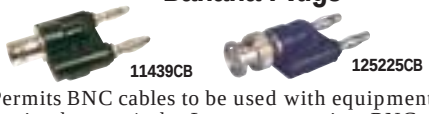
159863CB/571153CB/571161CB: w/ safety collar
159855CB/571137CB/571145CB: w/ set screw
159927CB/571250CB/571268CB: double banana plug w/ wire guide

✳ **Prepackaged: please order in increments of 10 or 25**

Part No.	Prod. No.	Description	1	10	25
159863CB	1825-02	Set	$2.65	$2.50	$2.38
571153CB	1825-0♠	Black 10 pk.	13.05	12.75	12.35
571161CB	1825-2♠	Red 10 pk.	13.05	12.75	12.35
159855CB	1325-02	Set	3.29	2.99	2.69
571137CB	1325-0♠	Black 10 pk.	13.05	12.75	12.35
571145CB	1325-2♠	Red 10 pk.	13.15	12.53	12.37
159927CB	MDP-02	Set	4.69	4.38	4.19
571250CB	MDP-0♠	Black ✳		2.25	2.17
571268CB	MDP-2♠	Red ✳		2.26	2.17

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Jameco BenchPro BNC to Standard Double Banana Plugs



11439CB 125225CB

Permits BNC cables to be used with equipment having banana jacks. Lower connection: BNC; upper connection: double banana plug on .750" centers. Cross holes .166" diameter in body provide side stack-up connections.

Part No.	Description	1	10	100
11439CB	BNC banana plug (F)	$4.95	$4.49	$3.99
125225CB	BNC banana plug (M)	5.49	4.95	4.45

Jameco BenchPro Double Banana Plugs



125217CB

- Dual gold-plated female banana plugs • Stackable

Part No.	Description	1	10	100
125209CB	Black banana conn.	$2.65	$2.39	$2.15
125217CB	Red banana conn.	2.35	2.15	1.95

Jameco BenchPro 1" Screw-Type Binding Posts



- For both wire and standard banana
- 0.16" hole for banana test leads
- Chassis mount w/ lock washer and nut • Solder tab hole: 0.06"Dia.
- Size: 1.0"L x 0.5"Dia.

Requires: 0.32" mounting hole
Includes: One red and one black insulated post

Part No.	Description	1	10	100	1000
71239CB	Binding posts (2)	$.99	$.85	$.69	$.59

Jameco BenchPro 1¾" Screw/Solder Binding Posts



- For both wire & standard banana
- 0.16" hole for banana test leads
- Chassis mounting
- Solder post: 0.06"Dia.
- Size: 1.8"L x 0.5"Dia.

Includes: One red and one black

Part No.	Description	1	10	100	1000
77690CB	Binding posts (2)	$1.09	$.95	$.79	$.69

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Pomona BNC Terminator

- Male
- 75Ω



♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Part No.	Description	1	10	25
571209CB	3840-75♠	$9.89	$9.75	$9.32

Pomona Terminal Adapter

- Converts terminal strip to banana jack
- Screw size: 10-32 • Black



♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Part No.	Description	1	10	25
571225CB	5701-0♠	$3.29	$3.20	$3.10

Chassis Mount Banana Jack

- 0.158"
- Molded ABS black plastic body
- Nickel plated steel solder lug and washer

SALE



Part No.	Description	1	10	100
291936CB	Black banana jack	~~$0.67~~ $.45	$.40	$.35

JAMECO BenchPro Panel Mount Tip Jacks 1/4" – 32 Thread

Mounts in panels ranging in thickness from 0.063" to 0.375".

- Plating: bright tin • Material: brass
- Insulation: polycarbonate • 10 per package



Part No.	Cross Ref. No.	Color	1	10	100
256778CB	R1-17-BLK ⊕	Black	$8.59	$8.15	$7.75
263863CB	R1-17-RED ⊕	Red	8.59	8.15	7.75

JAMECO BenchPro Double Binding Posts – Dual Banana

- Red/black design
- Screw-mount
- 0.72" between posts
- Size: 1.6"L x 1.4"W



Part No.	Description	1	10	100
125196CB	Screw mount bind post ⊕	$3.95	$3.45	$3.19

JAMECO BenchPro Single Binding Post to BNC Male

- Binding post with captive thumb nut
- Accepts standard banana plugs

See page 142 for BNC Connectors



100600CB

- Operating voltage:500 V_{RMS} • Brass nickel plated

Part No.	Description	1	10	100
100600CB	Red binding post ⊕	$1.59	$1.34	$1.06
100618CB	Black binding post	~~$1.59~~ 1.05	.94	.86

Pomona 11"L Test Lead Holders

155985CB:
- Max cable dia.: 0.450"

155977CB:
- Max cable dia.: 0.320"

155969CB:
- Max cable dia.: 0.210"



155985CB

Part No.	Prod. No.	Slots	Color	1	10	25
155985CB	2708B ⊕	9	Blue	$9.95	$9.45	$8.98
155977CB	4408 ⊕	10	Black	9.95	9.45	8.95
155969CB	1508 ⊕	14	Orange	9.95	9.45	8.98

JAMECO BenchPro BNC to Double Binding Posts – Dual Banana

- Red/black design



125233CB

Part No.	Description	1	10	100
125233CB	BNC-female ⊕	$4.95	$4.49	$4.05
99354CB	BNC-male ⊕	5.29	4.76	4.28

JAMECO BenchPro Universal Test Lead Kit

Includes: 3' black/red cables, 4.5" black/red insulated test probes, 0.8" needle probes, spade terminals, 2 sets of 4 pieces each red/black insulated alligator clips and banana plug



Part No.	Description	1	10	100
168516CB	Universal kit ⊕	$8.95	$7.95	$6.95

JAMECO BenchPro Protected Banana Style Multimeter Test Probes

- Threaded/pointed test tip
- Black and red
- 18 AWG wire • 42" long
- 2 per package



Part No.	Description	1	10	25
77737CB	Protected probes ⊕	$6.49	$5.85	$5.25

JAMECO BenchPro Standard Banana Style Multimeter Test Probes

- Black and red
- 18 AWG wire
- 42" long
- 2 per package



Part No.	Description	1	10	25
77745CB	Std. banana probes ⊕	$7.69	$6.95	$6.25

PROBE MASTER Probe Test Leads

- 23K gold tips
- Silicon wire
- 1000V rated
- Length: 3'3"



174625CB

174625CB Includes: 10 plunger type tips

212222CB Includes: 10 pieces; screw-on alligator clips, spade lugs and spring hooks



212222CB

Part No.	Description	1	10	25
174625CB	Micro tip test leads ⊕	$29.85	$28.35	$26.95
212222CB	Softie test leads ⊕	23.85	22.65	21.55

PROBE MASTER Probe Kit

- Rating: 1000V 10A
- Gold tips and contacts
- Electronic deluxe probe kit includes leads with shrouded right angle banana plug, probes, sprung hook probes, alligator clips, spade lugs, extender probes, minigator leads, .025" wire wrap leads, pico hooks and pincer hooks



Part No.	Description	1	10
212249CB	Elect. deluxe probe kit ⊕	$65.95	$62.99

Pomona Replacement Probe Test Lead Set

- Set of two PVC 48" insulated leads, probe to banana plug
- Fits all DMMs
- Right-angle multimeter connectors



Part No.	Product No.	1	10	25
155951CB	5519A ⊕	$12.95	$11.49	$10.49

Pomona Mini BNC Test Probe Kit

- Mini BNC
- Kit

Lower $$$

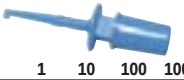


♠ This product ships from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

Part No.	Description	1	5	10
571217CB	5292-48 probe kit ♠	$31.85	$30.19	$29.91

JAMECO BenchPro Micro Test Clip

- One piece per package



Part No.	Description	1	10	100	1000
153162CB	1.6" micro test clip ⊕	$.75	$.68	$.54	$.41

JAMECO BenchPro Mini Test Clips

- Two lengths

Includes: One black and one red hooked probe clip

114817CB

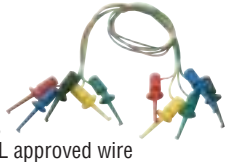


Part No.	Description	1	10	100
114809CB	1.75" mini test clips ⊕	$1.89	$1.49	$1.35
114817CB	3.5" mini test clips ⊕	1.75	1.55	1.39

JAMECO BenchPro Mini-Clip Test Leads

These spring loaded mini-clips hook easily to IC pins for testing.

- Set of five: red, blue, green, black and yellow
- 14"L; clips on both ends
- 26 AWG to 300V CSA/UL approved wire



Part No.	Description	1	10	100	1000
135298CB	Mini test leads ⊕	$11.49	$10.39	$9.29	$8.39

JAMECO BenchPro Alligator Clip Leads

- 24 AWG wire
- Color-coded, 15" long
- Insulated alligator clip on each end
- 10 per pkg. in assorted colors



Part No.	Description	1	10	100	1000
10444CB	Alligator leads ⊕	$4.39	$3.95	$3.56	$3.20

Pomona Minigrabber® Test Clip Patch Cord Kit

- One each of 10 colors: black, brown, red, orange, yellow, green, blue, violet, gray and white
- 24" leads; clips on both ends



Part No.	Prod. No.	Description	1	10
156494CB	5523 ⊕	Patch cord (hook)	$34.95	$31.49

Test/Tools

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

BNC Female Connector with 20AWG Lead Wires

Solder the 20AWG wires onto your protoboard, plug the BNC female connector into your test equipment and you have an instant testing board for varied applications.



- BNC female connector • 7" 20AWG lead wires

Part No.	Cross Ref. No.	1	10	100
256831CB	CBB-069⊕	$5.39	$5.15	$4.89

BNC to Clip Test Cables



11421CB



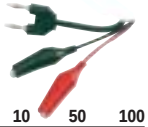
11463CB

BNC connectors are designed for signal frequencies into the gigahertz range, making them ideal for communications, video & test equipment.

- Micro-clip or mini-clip • Length: 39"

Part No.	Description	1	10	50	100
11421CB	Micro-clip RG174⊕	$3.99	$3.19	$2.89	$2.59
11463CB	Mini-clip RG174⊕	4.39	3.99	3.59	3.19

Double-Banana Plug to Alligator Clips Test Cable



- Red & black rubber boot
- 4" lead wire
- Length: 3'

Part No.	Description	1	10	50	100
107422CB	Test cable⊕	$3.95	$3.49	$2.95	$2.49

BNC to Minigrabber® Test Clips



- RG 174/U, .100" O.D.
- Rating: 300 V^{RMS} max., +50˚C (+122˚F) max.
- Strain relief: PVC molded directly to connector
- Length: 36"

Part No.	Product No.	1	10
176954CB	5187-K-36⊕	$21.95	$19.95

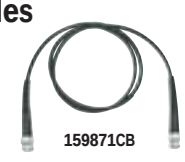
BNC Male w/ Molded Strain Relief to Minigator® Test Clips



- RG 58C/U, .195" O.D.
- Rating: 45 V^{RMS} max., +50˚C (+122˚F) max.
- Jaws open to .187" max.
- Length: 36"

Part No.	Product No.	1	10
176971CB	4532-C-36⊕	$16.95	$15.26

BNC Cables

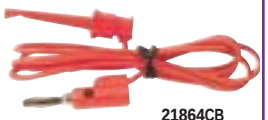


159871CB

- RG58 C/U 50Ω cable
- BNC male connectors
- Molded strain relief
- Length: P/N 159871CB: 36" P/N 159880CB: 60"

Part No.	Product No.	1	10	25
159871CB	2249-C-36⊕	$15.95	$14.39	$12.95
159880CB	2249-C-60⊕	15.95	15.15	14.39

Mini-Clip to Banana Test Cables



21864CB

- Plunger-type action
- Available in black or red
- Positive connection that won't disconnect from components
- Banana plug connection on opposite end
- Length: 3.5' • 20 AWG insulated wire

Part No.	Description	1	10	100
21856CB	Black test cable⊕	$3.95	$3.55	$2.99
21864CB	Red test cable⊕	3.95	3.49	2.99

Banana-to-Banana Test Leads



- Stackable
- Color coded; 2 each red, yellow, blue, black, white • 9.8" long
- 10 per package • 18 AWG wire

Part No.	Description	1	10	25
77841CB	Test leads⊕	$22.95	$20.69	$18.59

Stackable Banana Test Lead Cables



159898CB 159901CB 159919CB

- 5000V @ 15A • 55˚C max.

159898CB: Two 36" leads, mini clip w/ banana
- 45VAC @ 5A max.; beryllium copper contact and glass filled insulation

571188CB: One black; 5' **571196CB:** One red; 5'; red
159901CB: Two 24" leads **159919CB**: Two 36" leads
571241CB: One black; 4'

Part No.	Prod. No.	Description	1	10	25
159898CB	3782-36⊕	Mini w/ banana	$7.95	$7.19	$6.86
571188CB	3782-60-0	Mini w/ banana♠	3.89	3.79	3.68
571196CB	3782-60-2	Mini w/ banana♠	3.89	3.79	3.68
159901CB	B-24-02⊕	Patch cord	9.95	8.95	7.95
159919CB	B-36-02⊕	Patch cord	9.95	8.95	7.95
571241CB	B-48-0	Patch cord♠	5.05	4.52	4.07

♠ These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

BNC to Alligator Clip Test Cable



Permits BNC assembly to be used as a test cable.

- Upper connection: two alligator clips – red 5.5" 22AWG wire; black 9" 22AWG wire
- Lower connection: 23" RG/58U cable with BNC connector

Part No.	Description	1	10	100	1000
11383CB	BNC cable⊕	$3.49	$2.49	$2.25	$2.05

Insulated Alligator Clips



- Color-coded
- Insulated barrel
- Jaw opening .375"-0.5"
- Solder strap and pre-drilled hole for6-32 self threading screw
- Size: 2.3"L x 0.5"W

Includes: One red and one black clip

Part No.	Description	1	10	100	1000
70990CB	Alligator clips⊕	$.39	$.36	$.33	$.30

1 9/16" Banana Plugs



- Set-screw connection
- Standard banana spring plug
- Additional 6-32 threaded hole for connection reliability
- Insulating sleeve is threaded to banana plug body
- .1875" lead opening • Size: 1.6"L x 0.4"Dia.

Includes: One red and one black plug

Part No.	Description	1	10	100	1000
72194CB	Banana plugs⊕	$1.59	$1.49	$1.25	$1.09

2¼" Banana Plugs



- Nine rib spring plug
- Will accept up to 0.1" dia. wire
- Each plug equipped with hole for interconnection
- Insulating sleeve fits snugly over copper post
- Size: 2.3"L x 0.3"W • Set-screw connection

Includes: One red and one black connector

Part No.	Description	1	10	100
137525CB	Banana plugs⊕	$2.95	$2.12	$1.84

Claw Clips and Alligator Clips

- Sold in increments of 2, 4 or 10

Part No.	Description	Size (L"xW")	2	4	10
248920CB	Mini-alligator clip solder/crimp⊕	1.2 x 0.3	$.28	$.25	$.23
248954CB	Red insulator for 248920CB⊕	—	.15	.13	.11
248946CB	Black insulator for 248920CB	—	.15	.13	.11
256524CB	Alligator clip, barrel/screw⊕	1.9 x 0.2	.45	.38	.35
248938CB	Alligator clip, solder/crimp⊕	1.6 x 0.3	.52	.48	.42
248971CB	Red ins. for 248938CB/256524CB	—	.29	.27	.25
248962CB	Black ins. for 248938CB/256524CB	—	.19	.17	.15
248989CB	Claw clip 10A, screw terminal	2.1 x 0.4	.55	.49	.45
249009CB	Claw clip 20A, screw terminal	2.5 x 0.5	.55	.52	.50
248997CB	Claw clip 30A, screw terminal	2.8 x 0.6	.69	.62	.58



248920CB 248954CB 248946CB



256524CB 248938CB



248971CB 248962CB

SALE



248989CB

We're Listening to Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Professional Electronic Technician Tool Kits for Every Situation!

51-Piece Tech Tool Kit

Essential kit for electronic machine maintenance and repair jobs!



- In addition to the tools listed in the matrix below, the kit includes:
  - – 2 nut drivers
  - – Solder pen
- Case features removable pallets, a combination lock and a cushioned black plastic handle
- Size: 12.5"L x 17.5"W x 3.5"H • Weight: 10.4 lbs.

Part No.	Description	1	5
26681CB	51-piece tool kit	$94.95	$75.95

55-Piece Tech Tool Kit

An assortment of tools for general & precision work for technicians, engineers, students, etc.



- In addition to the tools listed in the matrix right, the kit includes:
  - – Screwdriver handle
  - – 6-piece mini-hammer set
  - – 5 piece of double edge blade
  - – PLCC extraction tool
- Outer velcro pockets to store paperwork, etc.
- Complete your assortment with a multimeter (See pages 261-262)
- Size: 17.6"L x 12.8"W x 4.0"H • Weight: 9.2 lbs.

Part No.	Description	1	5
136311CB	55-piece tool kit	$128.95	$112.46

57-Pc. Master Electronics Tool Kit

Simply every tool needed for field repair or installation. All in a handsome lockable case, with room for spare parts or special equipment.



- In addition to the tools listed in the matrix below, the kit includes:
  - – 5" & 6" side cutter
  - – 5" & 6" long nose pliers
  - – 8" combination pliers
  - – 9.5" water pump pliers
  - – Alignment driver
  - – Parts tube
  - – 5-piece file set
  - – 6" stainless scissors
  - – Testing driver
  - – Solder wick
  - – PVC insulated tape
  - – Oil can
  - – Carpenter hammer
- Carrying case has two removable pallets, adjustable compartments, and combination locks
- Size: 18.0"W x 13.0"D x 4.0"H • Weight: 16.0 lbs.

Part No.	Description	1	5
218245CB	Master electronic tool kit	$128.95	$121.65

Complete your assortment with a multimeter. See pages 260-263.



100-Piece Professional Electronics Tool Kit

Kit for field technicians and engineers!



- In addition to the tools listed in the matrix below, the kit includes:
  - – Computer/polarity circuit tester
  - – Mini vacuum cleaner
  - – Cassette head cleaning fluid
  - – 3.6V cordless screwdriver kit (bits included)
- Aluminum case features removable pallets, surface-type locks, and black plastic handle
- Size: 18.0"L x 14.0"W x 6.0"H • Weight: 15.5 lbs.

Part No.	Description	1	5
242851CB	100-piece tool kit	$199.95	$189.95

114-Piece Tech Service Tool Kit



- In addition to the tools listed in the matrix below, the kit includes:
  - – 40-pc socket pack
  - – 6" side cutter
  - – 6" long nose pliers
  - – 6" slip joint pliers
  - – carpenter hammer
  - – 3 piece trimmer set
  - – stainless steel spring hook
  - – solder wick
  - – 8" combination pliers
  - – 2 removable pallets
- Size: 18.5"L x 13.8"W x 6.7"H • Weight: 22.8 lbs.

Part No.	Description	1	5
149024CB	114-piece tool kit	$279.95	$251.99

Quick-Reference Table of Professional Tool Kit Contents

Parts included in kits	26681CB	136311CB	218245CB	242851CB	149024CB
3-prong holder		1	1	1	1
Anti-static strap		1		1	1
Brush	1	1	1	1	1
Crimping tool		1 (7-way)	1	1	1
Desoldering pump	1	1	1	1	1
Digital Multimeter	1			1	
Drill set					1
Files, needle	2-pc			6-pc	5-pc
Flashlight		1	1	1	1
Forceps					1
Heat sink		1	1		1
IC extractor		1	1		1
Inspection mirror			1		1
Measuring tape, 10-foot	1		1		1
Pliers, 8" lineman		1		1	
Pliers, bent needle nose	1	1	1	1	1
Pliers, diagonal cutter	1	1		1	1
Pliers, flat nose	1	1		1	1
Pliers, snipe nose					1
Scissors	1		1	1	
Screwdriver set	8-pc	3-pc	8-pc	12-pc	9-pc
Screwdrivers, precision	6-pc	6-pc	6-pc	6-pc	6-pc
Solder core		1	11	1	1
Soldering aid kit, 3-pc	1	1	1	1	1
Soldering iron	1	1 (30W)	1 (30W)	1 (30W)	1 (25W)
Soldering stand	1		1	1	
Tape, electrician				1	1
Tweezers	1	2	1	1	1
Utility components box	1		1	1	1
Utility knife	1	1	1	1	
Wire stripper					1
Wrench, adjustable		1	1	1	1
Wrench, hex key	7-pc	7-pc	7-pc	7-pc	7-pc
Wrench set			6-pc	5-pc	10-pc
Total Pieces	**51**	**55**	**57**	**100**	**114**
Price	**$94.95**	**$128.95**	**$128.95**	**$199.95**	**$279.95**

26-Piece SAE Hobby Tool Set



- 4-1/2" long nose pliers
- 4-1/2" diagonal cutting pliers
- #1 & #2 Phillips bits
- #1 & #2 pozi bits
- 3/16" & 1/4" slotted bits
- Hex to 1/4" driver adapter
- T-10, T-15, and T-20 Torx bits • Tweezers
- Driver handle • Compact carrying case
- 3" extension bar for 1/4" drive
- 3 slotted and 3 screw driver precision set
- 3/16", 1/4", 11/32" and 3/8" sockets for 1/4" drive
- Size: 12.0"L x 9.0"W x 2.0"H • Weight: 1.5 lbs.

Part No.	Description	1	10	25
170069CB	26-pc. SAE tool set	$17.95	$16.16	$13.69

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Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost!



Test/Tools

Color Code Legend
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Economy Tool Kits for Every Budget!

11 & 12-Piece Lightweight Computer-Service Tool Kits

- Both kits include:
  - 2 nut drivers: 3/16", 1/4"
  - 3-claw parts holder
  - 1-pc hex key wrench
  - IC extractor
  - 4-pc screwdriver set
  - Tweezers



167206CB

167206CB: 11-Piece Tool Kit

- In addition this kit includes: Clear components, tube holder
- Size: 8.5"L x 5.9"W x 1.3"H
- Weight: 1.1 lbs.



14189CB

14189CB: 12-Piece Tool Kit

- In addition this kit includes: 14-16 pin IC inserter/straightener
- Size: 9.0"L x 5.8"W x 1.3"H • Weight: 1.2 lbs.

Part No.	Description	1	10	25
167206CB	11-piece tool kit ⊕	$12.95	$11.49	$9.95
14189CB	12-piece tool kit ⊕	16.95	15.26	13.73

24-Piece PC Premium Tool Kit



- 3.2mm x 75mm slotted screwdriver
- #0 x 75mm Phillips screwdriver
- 3 prong holder
- Spring tweezer
- Spare parts tube
- IC extractor
- Torch
- Extension bar for ratchet bits
- Adjustable ratchet screwdriver
- Side cutter pliers • Long nose pliers
- 5mm and 7mm slotted bit • #1 and #2 Phillips bit
- T10, T15, T20, T25, and T30 Torx bit
- 1/4" and 3/16" nut • Socket adapter
- Size: 8.4"L x 5.9"W x 1.4"H • Weight: 1.3 lbs.

Part No.	Description	1	5
226085CB	24-piece premium tool kit ⊕	$17.95	$14.36

40-Piece Electronic Tech Tool Kit



- The kit includes:
  - Wire cutters/ stripper
  - Adapter bit for sockets
  - Pocket clip screwdriver
  - Potentiometer alignment tools
  - T10-T25 reversible Torx screwdriver bits
  - 3/16"-1/2" S.A.E. nut driver sockets
  - 6mm-12mm metric nut driver sockets
  - Slotted and Phillips screwdriver bits
  - 10-pc screwdriver set
  - Extra long 3-claw parts holder
  - IC inserter w/ pin straightener
  - IC extractor
- Size: 9.5"L x 6.8"W x 1.4"H • Weight: 1.7 lbs.

Part No.	Description	1	10	25
119183CB	40-piece tool kit ⊕	$21.95	$19.76	$15.80

Aluminum Tool Case

This heavy-duty case is made of lightweight durable aluminum. A single inside panel and adjustable compartments easily carry hand tools, small soldering equipment, hand-held test equipment, and more.



- Size: 19"L x 14"W x 6"D

Part No.	Description	SALE	1	5
261884CB	Tool case ⊕		$49.95	$44.95

Heavy-Duty Tool/Equipment Case

Made of lightweight aluminum, this tool case is designed to take rough field use. Case includes tool pallet, egg carton foam lid, and 2.5" thick pre-cut foam bottom. Ideal for carrying fragile instruments, test equipment, and small hand tools.



- Size: 19"L x 14"W x 6"D

Part No.	Description	1	5
261876CB	Tool/equipment case ⊕	$51.39	$44.15

Kwik Change Tool/Parts Tote

Versatile storage tote for organized storage space. Front drop panel reveals four slide-out storage boxes and includes two interchangeable racks and one double deep rack. Bulk storage beneath lid for larger tools and exterior rack for small tool storage. Ruler on front for added convenience.



- Size: 20.5"H x 12"W x 14.5"D

Part No.	Description	1	5
261892CB	Tool/parts tote ⊕	$44.95	$42.75

2-In-1 Zippered Tool Bag

A high-quality tool tote case that can be used as two separate bags or zipped together as one case. The first bag has two large pouches for documents and paperwork or large items. The second bag contains 20 pockets for tools.



- Size: 16"L x 12"W x 2.5"D

Part No.	Description	1	5
261868CB	Tool/tote case ⊕	$24.25	$22.09

Double Layer Nylon Tool Bag

This nylon tool bag provides enough space to carry your tools anywhere. Zippered bottom panel for long flat tools, 8 external pockets and 4 internal pockets for everyday use tools.



- Material: double layer rugged nylon
- Color: light brown and green

NEW

Part No.	Product No.	Size	1	5
645511CB	VTBAG2 ⊕	15.5"	$39.95	$37.45

Weller® 250-Watt, 3-Setting Industrial Heat Gun



- 750°F to 800°F hot air at nozzle; 3-position switch; hot-off-cool
- Designed for assembly and repair applications such as shrink tubing and vinyl, epoxy curing/drying/cooling
- 120VAC @ 60Hz • ESD safe
- Long-life heater and fan components
- 3-wire grounded plug; 6' cord

Part No.	Product No.	Wt. (lbs.)	1	10
191943CB	6966C ⊕	1.2	$119.95	$107.95

1000-Watt Heat Gun



- Dual heat setting: 600˚F/1100˚F
- Works with spot dry paints, plaster, spackle, and cure adhesives
- Use with heat-shrink material
- Thaw pipes, frozen locks, and loosen rusted bolts
- Input voltage: 110-120 VAC

Part No.	Description	1	6	12
254924CB	Heat gun ⊕	$45.95	$44.39	$39.79

WAHL® 1,200˚F Portable Heat Gun

ETL listed



- Portable and flameless heat
- Temperatures up to 1,200˚F (650˚C)
- Typical applications: shrink tubing, activate adhesives and potting compounds, form plastics and laminates and preheat flux
- Each cartridge (disposable butane lighter) provides approximately 20 minutes of heat
- Includes disposable gas lighter • Electronic ignition
- Size: 4.8"L x 0.9"W • One-year warranty

✪ Blue P/N = Limited Quantity Available

Part No.	Description	SALE	1	10
150691CB	Portable flameless heat gun ✪		$23.99	$20.91

Heat Gun/Stripper

Dual-Setting



- Use with heat shrink material
- Works with spot-dry paint, plaster, spackle cure adhesives
- Will remove adhesive-applied tiles and linoleum without chipping
- Dual heat setting: 600°F/1100°F
- Thaw frozen pipes and locks, and loosen rusted bolts
- UL listed • Size: 9.3"L x 7.0"W
- Weight: 1.8 lbs.



217816CB



217832CB

Part No.	Description	1	10	25
76865CB	Heat gun ⊕	$39.95	$35.95	$31.95
217816CB	Heat shrink attachment ⊕	1.95	1.85	1.75
217832CB	Air spreader ⊕	1.95	1.66	1.24

Over 99% of Our Products Are In Stock

Place your order by 6PM EST for same business day shipment.

Adjustable Cordless Screwdriver



- Adjustable handle can be used folded or unfolded
- Thumb switch for reverse and forward action
- No load speed: 180 RPM
- 3.6V rechargeable battery
- Clutch operating torque from 4 to 21kg-cm
- Size: 10.5"L x 1.5" Dia. • Weight: 1.6 lbs.

Includes: 6VDC @ 300mA power supply and screwdriver bits, slotted and Phillips

Part No.	Description	1	10
176680CB	Cordless screwdriver ⊕	$36.95	$33.26

Glue Gun and Sticks



- Adheres to PCBs, cardboard, wires, metal and cloth
- Silicon nozzle
- Electronic heating
- Trigger action
- Utilizes 100mm long gluesticks (2 sticks included)
- Size: 7.3"L x 6.3"W

Part No.	Description	1	10	25
72696CB	Glue gun ⊕	$9.95	$8.96	$8.06
78633CB	Glue sticks (6/pk) ⊕	3.15	2.84	2.55
176292CB	Glue sticks (10/pk) ⊕	4.95	4.29	3.79

Mini-Drill and Stand



This Mini Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.

Part No.	Description	Wt. (lbs.)	1	10	25
26702CB	MS398 drill ⊕	0.8	$29.95	$26.95	$23.95
26711CB	MS399 stand ⊕	1.8	21.95	19.75	17.55

32-Piece Security Bit Set

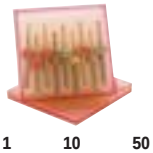


These bits match the security fasteners commonly used in today's electronic products.

Includes: Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" 3/16" and 1/4"; Security Torx bits: T8, T10, T15, T20, T25, T27, T30, T35 and T40; Spanner bits: 4, 6, 8 and 10mm; Phillips bits: #1, #2, #3 and #4; and 60mm magnetic bit extension that fits 1/4" hex driver

Part No.	Description	1	10
223829CB	32-piece security bit set ⊕	$11.95	$10.75

9-Piece Assorted Drill Bit Kit



- Variety of sizes: .014" to .126"
- Shank diameter: .125"
- Each kit will vary in contents of bit sizes

Part No.	Description	1	10	50
131676CB	9-piece drill bit kit ⊕	$9.95	$8.95	$7.95

High-Speed Steel Step Drill Bits



172401CB

Drill multiple holes in thin material with the same bit, faster and easier. Each bit does the work of many drill bit sizes. You can drill holes in most materials such as plastic, metal, and wood up to 1/8" thick.

229657CB: • Shank size: 3/8" • 2.4" long
172401CB: • Shank size: 1/4" • 2.5" long

Part No.	Description	1	10	25
229657CB	3/16" – 7/8" 13-step ⊕	$14.95	$13.45	$12.10
172401CB	3/16" – 1/2" 6-step ⊕	9.95	8.95	7.95

PC Board Drill Bits



- Reconditioned carbon steel bits
- High quality long lasting cutting edge • Shank dia.: .125"
- Use for drilling holes in glass PC boards

Part No.	Drill Dia.	No.	Application	1	10	100
16619CB	.021"	75	Misc. ⊕	$1.55	$1.40	$1.26
16580CB	.040"	59	Plated thru holes ⊕	1.75	1.58	1.42

Twin Wrench Driver Set



The handle of this twin wrench driver set has two tips, horizontal and vertical for those hard-to-reach areas.

- Non-slip double ended driver
- Three slotted bits: 4mm, 5mm, and 6mm
- Philips bits: #1 and #2
- Pozi bits: #1 and #2
- Torx bits: 10mm, 15mm, and 20mm

Part No.	Description	1	10
223811CB	Twin wrench driver set	$2.99	$2.84

6-Pc Long-Neck Screwdriver Set



- Three slotted: 0.09"Dia. x 6.6"L 0.12"Dia. x 6.6"L 0.16"Dia. x 9.6"L
- Three Phillips: No.0, 0.12"Dia. x 6.64"L; No.1, 0.16"Dia. x 9.61"L; No.2, 0.09"Dia. x 6.65"L

Part No.	Description	1	10	50
99451CB	6-pc. screwdriver set ⊕	$8.95	$8.06	$7.25

JAMECO Pocket Screwdriver



Phillips & Flat head

- Size: 6"L
- Pen clip for pocket storage

Part No.	Description	1	10	100
127271CB	Pocket screwdriver ⊕	$1.55	$1.45	$1.19

11-Pc Precision Screwdriver Set



- 0.9, 1.2, 1.4, 1.8, 2.4 and 3mm slotted screwdrivers
- Phillips #00, #0 and #1 screwdrivers
- Awl
- Magnetic pick-up

Part No.	Description	1	5
226093CB	Precision screwdriver ⊕	$4.49	$4.29

7-Piece Insulated Screwdriver Set



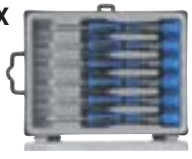
- Tapered handle for sure grip
- Precision ground shank
- Hardened, magnetic tips

Includes: 0.4/0.8/1.0/1.2mm slotted; #0/1/2 Phillips

SALE

Part No.	Description	1	5
261999CB	Screwdriver set ⊕	$17.35	$15.85

6-Pc Precision Torx Screwdriver Set



- T5 and T6 x 50mm Torx screwdrivers
- T7, T8, T9, T19 x 50mm Torx hex screwdrivers

Part No.	Description	1	5
226106CB	Precision TORX screwdriver ⊕	$12.95	$12.29

6-Pc Precision Screwdriver Sets



34041CB

34041CB includes: 3/64", 1/16", 5/64", 5/32", 1/8" & 9/64" slotted screwdrivers
34059CB includes: 3/64"#0, 1/16"#0, 5/64"#0, 3/32"#0, 1/8"#1 and 9/64"#1 Phillips screwdrivers

Part No.	Description	1	10	50
34041CB	Slotted set ⊕	$3.59	$3.23	$2.91
34059CB	Phillips set ⊕	3.59	3.23	2.91

6-Piece Screwdriver & Pliers Set



- One micro cutting nipper
- One micro flat nose pliers
- 2 long-neck slotted: 0.12"Dia. x 9.61"L; 0.09"Dia. x 7.64"L • 2 long-neck Phillips: No.0, 0.12"Dia. x 9.61"L; No.2, 0.09"Dia. x 7.64"L

Quantity SAVE

Part No.	Description	1	10	50
99565CB	Screwdriver/pliers ⊕	$13.49	$11.47	$8.60

7-Piece Nut Driver Sets

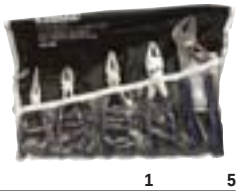


- Premium hardened steel sockets
- Large colored handles

261850CB: Metric
5mm, 6mm, 8mm, 9mm, 10mm, 11mm & 13mm
261841CB: SAE
3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2"

Part No.	Description	1	5
261850CB	Metric nut driver set ⊕	$8.99	$8.65
261841CB	SAE nut driver set ⊕	9.89	9.49

5-Piece Pliers Set



- Precision machined heat-treated jaws
- Vinyl insulated handles

Includes: 6.5" needle nose; 7.5" lineman's; 8" slip joint; 8" groove joint & cutting pliers

Part No.	Description	1	5
261905CB	Pliers set ⊕	$9.75	$9.25

Test/Tools

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Xcelite® Needle Nose Pliers

217891CB (submini needle nose):
Serrated jaws
- Positive gripping of fine wire or subminiature components
- Fine point allows use in confined areas


217891CB


217998CB

217998CB: Smooth jaws
- General purpose for pick-up and wire forming

Part No.	Prod. No.	Description	1	10
217891CB	L4 ⊕	4" mini needle nose	$14.95	$13.69
217998CB	LN54G ⊕	5" thin long nose	14.95	13.46

Precision 5-Piece Stainless Steel Pliers Set



- Spring return
- Insulated handles



Includes:
One 3.5"L micro cutting nippers and one each 4"L micro round nose pliers, long nose pliers, flat nose pliers and bent nose pliers

Part No.	Description	Wt. (lbs.)	1	10	25
73120CB	5-piece set ⊕	0.6	$17.95	$16.16	$14.54

Half-Round Long Nose Pliers

- Drop forged steel
- Spring return action
- Length: 4.5"
- Heat treated
- Vinyl grips
- Knurled jaws



Part No.	Description	1	10	50	100
177607CB	Half-round pliers ⊕	$4.95	$4.49	$3.95	$3.59

5" Cutting Pliers

Recommended for cutting copper and soft lead wires. Ideal for precise circuit board work. Spring loaded.



Part No.	Description	1	5
261809CB	Cutting pliers ⊕	$4.99	$4.55

Heavy Duty Tubing Cutter

- Clever design eliminates spiraling, resulting in straight clean cuts with no burrs
- Cuts copper, brass, aluminum tubing and thin-wall conduit up to 1-1/8" diameter
- Fold-away reamer
- Extra cutter wheel stored in body
- Lightweight aluminum body and knob
- Telescopic wheel-feeding mechanism keeps turning radius constant • Length: 4.8"
- Folding deburring blade on backside



SALE

Part No.	Description	1	5
227475CB	Tubing cutter ..... ~~$17.95~~	$12.15	$11.19

5.3" Flat and Half-Round Long Nose Pliers

- Stainless steel
- Spring return
- Durable rubber handles
- 5.3" length w/ 1.4" plier nose

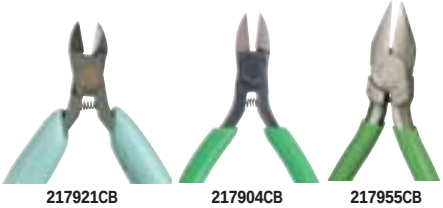
35473CB



35473CB/35490CB: Knurl jaws
195531CB: Smooth jaws

Part No.	Description	1	10	50	100
35473CB	Flat long nose ⊕	$5.49	$4.94	$3.95	$2.96
195531CB	Flat long nose ⊕	5.19	4.64	3.65	2.66
35490CB	Half round ⊕	5.49	4.94	3.95	2.96

Xcelite® Diagonal Cutters


217921CB 217904CB 217955CB

Manufactured from the finest forged alloy steel with polished head and cushion comfort handles.
- Flush cutting edge
- Cutting edges machine ground and electronically hardened for extended life
- Forged alloy steel w/ polished head
- Handle coil springs for fast cutting action
- ESD safe cushion grips for maximum comfort


217867CB

Part No.	Prod. No.	Description	1	10
217921CB	MS54J ⊕	4" oval head-flush	$15.95	$14.36
217955CB	S475JS	4" relieved head-flush ..	14.95	13.46
217904CB	MS549J ⊕	4" tapered head-flush ...	14.95	13.46
217867CB	MS545J ⊕	4" slim line tapered head-flush	14.95	13.46

Cutting Pliers

Flush Cut
- Stainless steel
- Side cutting flush cut
- Leaf spring for smooth controlled action



Part No.	Description	1	5
261788CB	Cutting pliers ⊕	$6.95	$6.55

Commercial Customers

Open an account with us to consolidate your monthly billing and to save time.



Just call us!
1-800-831-4242

Xcelite® Cutters and Pliers


146712CB (6")


146739CB (4")


146721CB (5")

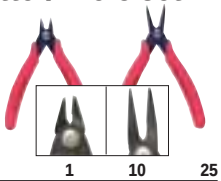
- Spring returns

146712CB: Micro series wire cutter – flush; 6"
146739CB: Diag. wire cutter – semi-flush; 4"
146721CB: Long needle nose pliers – flat; 5"

Part No.	Product No.	1	10	50	100
146712CB	170M ⊕	$5.75	$5.19	$4.69	$4.34
146739CB	MS54V ⊕	13.95	12.95	11.95	10.95
146721CB	MN7776V ⊕	16.95	15.95	14.95	13.95

Xcelite® Shearcutter/Pliers Set

- Improved handle grip for control and comfort
- Non-glare black finish carbon steel
- Size (plier): 5.6"L
- Size (shearcutter): 5.2"L



Part No.	Product No.	1	10	25
152055CB	S2K ⊕	$15.95	$14.95	$13.95

4" Diagonal Wire Cutter

- Drop forged steel
- Heat treated
- Vinyl grips
- Spring return action
- Polished head
- Length: 4"



Part No.	Description	1	10	50	100
179901CB	Wire cutter ⊕ ...	$5.49	$4.94	$4.45	$4.00

4.3" Diagonal Wire Cutter

- Cuts component wire up to 1.2mm thick
- Stainless steel
- Durable rubber handles
- Jaws are designed for flush cutting
- 4.3"L x 2.1"W with 0.5" cutting blade



Part No.	Description	1	10	50	100
35481CB	Wire cutter ⊕ ...	$5.59	$4.99	$4.55	$3.99

5" Diagonal Wire Cutter

- Cuts component wire up to 1.2mm thick and 0.08mm fine wire
- Insulated handles
- Jaws are designed for flush cutting
- 5.0"L x 1.8"W w/ 0.5" cutting blade



Part No.	Mfr. Cross Ref. No.	1	10	25
161411CB	Wire cutter ⊕	$7.49	$6.74	$6.07

molex Hand Tools for Mini-Fit™ Jr.


304928CB


304936CB

304928CB: Accepts wire range from 14-24 AWG

Part No.	Product No.	Description	1	5
304928CB	63811-1000 ⊕	Crimp tool	$42.99	$39.99
304936CB	11-03-0044 ⊕	Extraction tool	19.99	18.99

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Test/Tools

5" Wire Cutter/Stripper

- Strips and cuts 20-24 AWG wires
- Insulated grips
- Spring loaded for easy use
- Cutter angled @ 45 degrees for use in tight places
- Size: 5.0"L x 3.0"W



Part No.	Product No.	1	10	50	100
159273CB	HT1091 ⊕	$5.49	$4.94	$4.45	$4.00

5" Wire Cutter/Strippers

- Insulated handles
- Spring return
- Tempered steel cutting edge
- Size: 5.0"L x 3.0"W
- One-year warranty

78991CB: 10-30 AWG (screw adjustable)
215888CB: 10-24 AWG (dial to adjust for wire gauge)



78991CB 215888CB

Part No.	Mfr. Cross Ref. No.	1	10	50	100
78991CB	HT108 ⊕	$3.95	$3.49	$2.95	$2.59
215888CB	JE-2022C ⊕	3.95	3.49	2.95	2.59

6" Wire Cutter/Strippers

- Plier nose
- Wire size markings, in AWG and mm
- Size: 6.0"L x 2.0"W

161226CB: Premium
- 12-20 AWG stranded; 10-18 AWG solid
- Color: yellow

161234CB: Premium
- 16-26 AWG stranded; 14-24 AWG solid
- Color: red

161218CB: Standard
- 16-26 AWG stranded; 14-24 AWG solid
- Color: red



161226CB 161234CB

Part No.	Prod. No.	Description	1	10
161226CB	ID45-215 ⊕	Cushioned grips	$16.75	$15.91
161234CB	ID45-216 ⊕	Cushioned grips	17.79	16.91
161218CB	ID45-121 ⊕	Non-cushioned grips	13.59	12.95

6.6" Wire Stripper

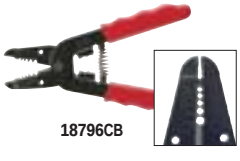
- Wire stripper, cutter, steel wire cutter, and wire loop
- Scale: AWG and mm
- Strips and cuts wires from 20-30 AWG
- Size: 6.6"L x 2.0"W



Part No.	Product No.	1	10	50
159290CB	HT5023 ⊕	$9.95	$8.96	$8.06

7-in-1 Wire-Handling Tool

- Wire stripper, wire cutter, steel wire cutter, pliers and wire loop
- Solderless crimping tool
- Scale: mm and inch
- Size: 6.6"L x 3.0"W



18796CB

Part No.	Prod. No.	Description	1	10	50
18796CB	HT1041 ⊕	10-18AWG	$4.95	$4.49	$3.95
127861CB	HT1042 ⊕	16-26AWG	5.95	5.36	4.82
127870CB	HT1043 ⊕	22-30AWG	5.49	4.94	4.45

Automatic Wire Strippers

175097CB: Spring load grip
- Size: 7.0"L x 2.5"W
- Weight: 0.8 lbs.

Includes: Wire stopper for desired strip length

202841CB:
- Size: 6.5"L x 3.0"W
- Weight: 0.3 lbs.

237219CB:
- Size: 5.2"L x 2.7"W • Weight: 0.2 lbs.



175097CB 202841CB

Part No.	Description	1	10	25
175097CB	Strips 8-22 AWG ⊕	$16.95	$15.26	$13.73
202841CB	Strips 3-24 AWG	12.45	10.58	7.94
237219CB	Strips 14-24 AWG ⊕	9.95	8.46	6.34

Rotary Coax Cable Strippers

2 and 3 Blade

159118CB (3 Blade): 2 settings RG58/59/62
- For cable sizes 4-10mm
- Size: 4.2"L x 1.3"W
- Color: black



159118CB

159185CB (2 Blade): 4 settings RG58/59/62/174
- For cable sizes 4-12mm
- Size: 3.9"L x 0.7"W • Color: gray



159185CB

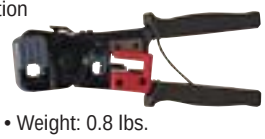
Includes: Hex key wrench for adjusting blade

Part No.	Product No.	1	10	25
159118CB	HT312B (3 blade) ⊕	$14.65	$13.19	$11.55
159185CB	HT332D (2 blade) ⊕	13.95	12.56	11.30

Crimp/Cut/Strip Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs

- Repeatable crimp action for consistent high-quality connections
- Push-down locking mechanism
- Size: 8.0"L x 2.0"W • Weight: 0.8 lbs.



Includes: Cut and strip blade

Part No.	Cross Ref. No.	1	10
174684CB	TTK071 ⊕	$26.95	$24.26

Telemaster Modular Connector Crimp/Cut/Strip Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs

- Repeatable crimp action for consistent high quality connections
- Size: 6.0"L x 2.0"W
- Weight 0.8 lbs.



Includes: Cut and strip blade

Part No.	Product No.	1	10
161091CB	ID30-496 ⊕	$39.95	$36.65

Ratchet Crimp Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs

- Repeatable crimp action for consistent high-quality connections
- Size: 8.5"L x 2.2"W
- Weight: 1.2 lbs.



Includes: Cut and strip blade

Part No.	Cross Ref. No.	1	10
174676CB	TTK070 ⊕	$39.95	$35.99

Professional Modular Connector Crimping Tool

- Spring return action
- 6mm and 12mm stripping guide
- Crimp modular plugs without changing dies
- Crimps 10P10C, RJ45: 8P8C, RJ11 and RJ12: 6P6C, and 4P4C
- Insulated handles • Size: 8.2"L • Weight: 1.2 lbs.



Part No.	Product No.	1	10	25
181147CB	HT200 ⊕	$54.95	$49.49	$44.55

Modular Connector Crimping Tool Set

- 8" metal modular crimping tool
- Cuts, strips and crimps
- Crimps RJ11 and RJ45 plugs
- Carrying case: blue hard plastic, 8.0"L x 10.5"W x 2.0"H
- Weight: 2.1 lbs.

Includes: 90 modular plugs, 40 pcs. 4P4C, 30 pcs. 6P6C, 20 pcs. 8P8C



Part No.	Product No.	1	10	25
73496CB	HT2000B ⊕	$74.95	$67.49	$60.75

Metal Modular Connector Crimping Tool

- Cable stripper and wire cutter
- Size: 8.0"L
- Weight: 1.8 lbs.
- Crimps 6P and 8P plugs (6P2C, 6P4C, 6P6C, 8P2C, 8P4C, 8P6C, 8P8C)



Part No.	Description	1	10	25
114526CB	RJ11/RJ45 ⊕	$24.95	$22.49	$20.25

Ratcheted Modular Connector Crimping Tool

- Insulated grip
- Ratcheted type
- Metal • 7.5"L
- Crimps RJ45 (8P8C) and RJ11/12 (6P6C) • Weight: 0.7 lbs.



Part No.	Description	1	10	25
159311CB	RJ45/11/12 ⊕	$21.95	$19.95	$17.95

Ratcheted BNC Crimping Tool

- Crimps RG58, RG59, RG62, RG174 and fiber optic
- Hex sizes: 0.043", 0.068", 0.100", 0.137", 0.213", 0.255"
- Size: 8.5"L x 2.5"W
- All steel construction
- Weight: 1.1 lbs.



Part No.	Product No.	1	10	25
114534CB	HT-336G ⊕	$23.95	$21.59	$19.45

30-Day Money-Back Guarantee

If you're not completely satisfied with your purchase, simply return the product within 30 days for a refund or exchange. Details on page 305.

Test/Tools

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Hex Crimp Tools


261745CB

- Use with RG-58 and RG-59 connectors with up to a 3/8" ferrule

261745CB: 1.7mm standard crimp for crimping center conductor on BNC & TNC connectors; up to 3/8" ferrule

261737CB: Ferrules up to 1/2"

SALE

Part No.	Description	1	5
261745CB	Hex crimp tool (3/8") ⊕	$19.75	$18.55
261737CB	Hex crimp tool (1/2") ⊕	~~$19.49~~ 18.49	16.65

Solderless Terminal Crimping Tool



- Crimps solderless terminals: 18-22 AWG red, 14-16 AWG blue and 10-12 AWG yellow
- Size: 9.0"L x 2.0"W

Part No.	Product. No.	1	10	25
72995CB	HT303 ⊕	$18.95	$17.06	$15.10

IDC Connector Crimping Tool



- Crimping distance: 27.5mm to 6mm (with attachment)
- Cushioned red handles
- Crimp insulation displacement connectors
- Use for IDC socket connectors, pg 138
- Size: 9.2"L x 3.0"W • Weight: 1.1 lbs.

Part No.	Product No.	1	10	25
73251CB	HT214 ⊕	$15.95	$14.39	$12.95

Non-Insulated Terminal D-Sub Crimping Tool

14-26 AWG



- Heavy-duty metal tool with cutter and insulated handles
- For computer pins and sockets, D-sub 26-28 AWG wire
- For butt-insulated connectors, 22-26 AWG wire
- For telephone spade lugs, 22-26 AWG wire
- For non-insulated connectors, 20-22 AWG wire
- For non-insulated connectors, 14-18 AWG wire
- Coiled spring return • Size: 7.3"L x 1.5"W

Part No.	Product No.	1	10	25	100
99442CB	HT202A ⊕	$9.49	$8.55	$7.69	$6.95

D-Sub Crimping Tool

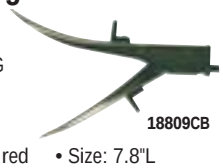
20-28 AWG



- Crimps D-sub pins and sockets
- For use w/ P/Ns 43377CB, 43369CB, pg 118 & 100765CB, pg 134
- Size: 7.0"L x 4.0"W

Part No.	Product No.	1	10	25
159265CB	HT213 ⊕	$11.29	$10.15	$8.99

Nibbling Tool


18809CB

- Perfect for cutting, trimming, or notching sheet metal up to 18 AWG
- Time-saver when working on prototyping, chassis, and circuit boards
- Minimum .375" hole required • Size: 7.8"L

Part No.	Prod. No.	Description	1	10	25
18809CB	HT204	Nibbling tool ⊕	$7.95	$7.16	$6.44
29330CB	HT204B	Replcmnt bit ⊕	4.49	4.04	3.64

Connector Compression



Designed to compress ferrules of "F" / BNC / RCA connectors. Black oxide steel frame with interchangeable die sockets, ratchet mechanism with manual release disengages after a complete cycle securing a fully compressed ferrule. Integrated coax cutter for cutting cables to appropriate lengths.

SALE

Part No.	Description	1	5
261761CB	Compression multi-tool ⊕	$34.95	$31.45

"F" Connector Compression Tool



Compresses RG-6 and RG-59 Snap-N-Seal type connectors.

- Length: 5"

Part No.	Description	1	5
261753CB	Compression tool ⊕	$29.95	$28.45

25-Piece Hex Key Set



- 12-piece SAE long arm with sizes from 1/16" to 3/8"
- 13-piece Metric short arm with sizes from 1.5mm to 1cm

Part No.	Description	1	5
261825CB	Hex key set ⊕	$6.95	$6.59

POP - Rivet Tool


226114CB

Sets 3/32", 1/8", 5/32" & 3/16" rivets without adjustments. Simply change the appropriate nozzle, slip the rivet into the pre-drilled hole, and you have a perfect fasten. Spring-loaded handle for automatic ejection of the mandrel.

Part No.	Description	1	5
226114CB	Rivet tool	~~$5.59~~ $5.05	$4.59
226288CB	1/8" x 1/4" long rivet (100 pk) ⊕	2.19	1.99
226296CB	3/16" x 1/4" long rivet (100 pk) ⊕	3.49	2.65

1/4-Watt & 1/2-Watt Resistor Lead Forming Tool



- Watt size indicates appropriate package size
- Bends lead length in .05" increments
- Excellent for capacitors also
- Lead spacing: 1/4W: 0.4"-1.5"; 1/2W: 0.5"-1.5"
- Size: 5.4"L x 1.5"W

Part No.	Description	1	10	50
106884CB	1/4W & 1/2W ⊕	$2.79	$2.65	$2.52

9-in-1 Pocket Multi-Tool



- Bottle opener
- Flashlight
- Nail pick
- 2 handyman/long-nose pliers
- Phillips screwdriver
- Folded size: 2.75"L
- Metal file
- Knife blade
- Wire cutter

SALE

✪ Blue P/N = Limited Quantity Available

Part No.	Description	1	5
227264CB	9-in-1 pocket multi-tool ✪	~~$4.39~~ $2.59	$2.35

Multi-Tool Storage Rack



Organize and store 106 of the most common tools in 24" of wall space. Made of durable plastic material, it easily mounts on a wall with the included screws.

Part No.	Description	1	4	8
239353CB	Storage rack ⊕	$5.39	$4.85	$4.37

Heavy Duty Staple Guns


242886CB

The standard stapler is perfect for contractors, home do-it-yourselfers, and specialty trade applications. We also offer the cable tackers that are ideal for a wide variety of applications such as telephone wire, cable TV, hi-fi systems, alarm systems, intercommunications and general electrical contract work. Both are made of durable nickel-plated steel for heavy-duty use. Rubber grip assures comfortable operation.

- Handle locking • Easy rear loading
- Adjustable high impact tension knob
- Hand stop for safe stapling control
- Visual reload window & rear loading

SALE

227969CB: T-50 Staple Gun

- Handles 5/16"; 3/8", 1/2", & 9/16" staples
- Use T-50 type staples, below

242886CB: 4-in-1 Staple/Tacker/Nail Gun

- Handles T-50 staples; T-25 cable tackers; 14mm long pin nails; 12-14mm long brad nails

✪ Blue P/N = Limited Quantity Available

Part No.	Description	1	5
227969CB	T-50 staple gun	~~$14.95~~ $12.49	$11.35
242886CB	4-in-1 staple/tacker gun ⊕	13.29	12.08

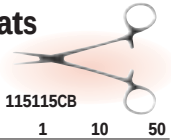
Staples

Part No.	Description	1	5
230295CB	T-50, 5/16" staples, 1250 ea. ✪	~~$2.25~~ $2.09	$1.90
230324CB	T-50, 9/16" staples, 1250 ea.	~~$2.95~~ 2.79	2.49
244988CB	3/8"L tackers, 1000 ea. ✪	~~$1.25~~ 1.09	.99
245016CB	T-25, 1/2"L tackers, 1000 ea. ✪	~~$1.35~~ 1.15	1.05
245032CB	T-25, 9/16"L tackers, 1000 ea. ✪	~~$1.55~~ 1.25	1.15

5" Steel Hemostats



- Grade 410 A.I.S.I. stainless steel
- Three locking positions


115115CB

Part No.	Cross Ref. No.	Description	1	10	50
115107CB	HEMO1 ⊕	Straight	$3.49	$3.14	$2.83
115115CB	HEMO2 ⊕	Curved	3.95	3.56	3.20



Save Big! Special Values!

Sale Priced Items = Yellow

Exceptional Quantity Discounts = Green

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Test/Tools

4-Piece Adjustable Wrench Set

Heavy-duty carbon steel wrenches with black industrial finish. Constructed with rugged I-beam handle and four-sided jaw design for better fit and strength.



- Length x jaw opening: 12" x $1^{3}/_{16}$"; 10" x $1^{3}/_{16}$"; 8" x 1"; 6" x $1^{1}/_{16}$"

Part No.	Description	1	5
261711CB	Adjustable wrench set	$9.75	$8.85

SALE

Adjustable Wrench

Made of chrome-plated carbon steel with knurled adjustment screw and angled head. Size: 6"L x 13/16".



Part No.	Description	1	5
261649CB	Adjustable wrench ⊕	$4.15	$3.69

Combo Wrench Set

- Dropped forged steel
- Combination open closed wrench ends



261489CB

261489CB: 10 sizes: 4mm, 4.5mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, and 11mm

319564CB: 11 sizes: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"

SALE

Part No.	Description	1	5
261489CB	10-piece combo wrench set	~~$8.49~~ $7.59	$6.85
319564CB	11-piece combo wrench set ⊕	7.99	7.59

Combination Wrenches

Made from hardened, tempered, drop forged chrome vanadium steel. These wrenches have a straight open end and a 120° offset bi-hexagonal ring.



261690CB



261681CB

Part No.	Description	1	5
261702CB	9/16" wrench	~~$6.39~~ $4.99	$4.49
261690CB	1/2" wrench	~~$6.19~~ 4.99	4.49
261681CB	7/16" wrench	~~$5.69~~ 3.99	3.49

SALE

Magnetizer/Demagnetizer

Magnetize tips of screwdrivers for easy pick-up of small metal objects; demagnetize tips to prevent electrostatic discharge that will damage electronic components.



- Size: 2.0"L x 2.0"W x 1.2"D

Part No.	Description	1	5
239530CB	Magnetizer/demagnetizer ⊕ ..	$6.29	$5.66

Deluxe Precision Knife Set

- Three different knife handles – fine work, medium and heavy duty power grip
- Size: 6.3"L x 2.8"W x 1.4"H



Includes: 13 types of blades

Part No.	Description	1	10	25
72768CB	13 blade knife set ⊕	$10.95	$9.86	$8.87

2-Piece Tweezer Set

- PVC insulated handles
- Serrated tips for parts handling
- Bent tip and straight rounded tip (wide tip)
- Length: 5.8"



SALE

Part No.	Description	1	10	25
253180CB	Tweezer set	~~$2.99~~ $2.29	$2.05	$1.85

4-Piece Steel Tweezer Set

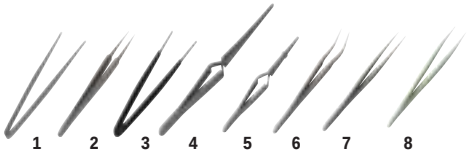




- 4 styles of stainless steel tweezers, one self-locking
- Ideal for picking up small components in hard-to-reach places

Part No.	Description	1	10	50
10735CB	4-piece tweezer set ⊕	$7.95	$6.95	$5.95

Tweezers



1 2 3 4 5 6 7 8

253163CB: Straight, round tapered, wide-point tip

252929CB: Straight round tapered, fine-point tip, stainless steel

253121CB: Wide-tip, insulated

252945CB: Self-closing reverse-action tweezers; wide point tip; stainless steel

252937CB: Self-closing reverse-action tweezers; medium point tip; stainless steel

253091CB: Curved fine-point tip

252911CB: Straight fine-point tip

253112CB: Fine-point tip, insulated, anti-static

SALE

Part No.	Length	Photo	1	10	25
253163CB	4.5"	1	~~$0.99~~ $.79	$.69	$.63
252929CB	4.75" ⊕	2	2.25	1.99	1.79
253121CB	4.6"	3	~~$1.49~~ .99	.89	.79
252945CB	6.6"	4	~~$2.59~~ 1.99	1.79	1.65
252937CB	4.3" ⊕	5	2.25	1.99	1.79
253091CB	4.6" ⊕	6	2.25	1.99	1.79
252911CB	4.75" ⊕	7	2.25	1.99	1.79
253112CB	4.75" ⊕	8	2.25	1.99	1.79

Automatic Center-Punch Tool

Adjustable



- Precision instrument
- Alloy steel point
- Knurled steel body • Size: 5.0"L x 0.5"Dia.

Part No.	Description	1	10	50
160282CB	Center punch tool ⊕ ..	$5.95	$5.39	$4.85

T-Handle Reamer Tool

Excellent for aluminum chassis work



- For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
- T-handle for easy rotation of tool
- Handle: 3.3" long, tool: 5.3" long

Part No.	Description	1	10	25
151749CB	T-handle reamer tool ⊕	$7.95	$7.49	$6.95

12-Piece File Tool Kit

- Fine and coarse file assortment for metal and wood
- 3-piece metal flat; 2-piece metal triangle; 1 each wood round; metal round; wood half-round; metal half-round; metal/wood half-round; and 2 detachable handles



SALE

Part No.	Description	1	5
233314CB	12-piece file kit	~~$12.95~~ $8.55	$7.75

8-Piece Steel File Set

- Strong tool steel
- 1 ea. 0.15"Dia., 0.13"Dia., 0.12"Dia., 0.11"Dia. and four 0.22"Dia. (5.65"L)



SALE

Part No.	Cross Ref. No.	Description	1	10
100360CB	FS108F	8-piece file set	~~$9.95~~ $7.29	$6.62

Strip-Wrap-Unwrap Tool

- Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .025" square posts



34585CB

- No solder necessary, see pg 100 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections • 4.5" long

Part No.	Cross Ref. No.	1	10	25
34585CB	HSM30 (Modified) ⊕	$49.99	$44.99	$39.99
236785CB	HSR30 (Regular) ⊕	29.95	26.95	23.95

30 AWG Wire Wrap/Strip Tools

Recommended for use on 0.025" (0.63mm) square posts on 0.100" (2.54mm) center grids. The first 1-1/2 loop on the modified tool has wire insulation while all loops on a regular tool have bare wires.



242798CB



Regular Modified

- Knurled handle for easy grip
- 5" long

SALE

Part No.	Description	1	10	25
242801CB	Tool (Regular) ⊕	$17.95	$16.15	$14.55
242798CB	Tool (Modified) ⊕	19.95	17.95	16.15
242827CB	Replace tip for 242801CB ⊕	~~$8.49~~ 6.49	5.85	5.29
242819CB	Replace tip for 242798CB ⊕	~~$9.49~~ 7.49	6.75	5.89
242835CB	Replace stripper assembly ⊕	5.49	4.67	3.50

IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.



- Straightens 8/14/16/18/20/24/28/40/42-pin ICs
- Materials: black plastic • Size: 3.3"L x 1.5"W x 0.4"H

Includes: Ground terminal

Part No.	Description	1	10	100
99362CB	IC straightener ⊕	$6.95	$6.26	$5.63

We're Listening To Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

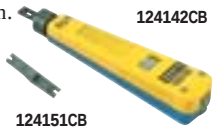
Test/Tools

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Impact Punch-Down Tool

Conforms to AT&T performance specification. Reversible clip-in blade, adjustable spring-loaded impact mechanism and spare blade storage in the handle.



- One-year warranty

124142CB: For 66-type bifurcated terminals
- Size: 7.0"L x 1.4"W x 1.1"H

124151CB: Blade for 110-type terminals

Part No.	Description	1	10
124142CB	# 3527 Tool w/ 66 blade ~~$53.19~~	$47.89	$43.53
124151CB	110 blade ⊕	17.99	16.19

Impact Punch-Down Tools

- Reversible clip-in blade
- Adjustable (HI-LO) spring-loaded impact mechanism
- Storage bin on handle for spare blade

175071CB: Tool with blade
- For 66-type terminals
- Size: 5.2"L x 1.5"W x 1.0"H

324013CB: Tool with blade
- For 110-type terminals
- Size: 5.8"L x 1.7"W x 1.2"H



175089CB: Punch-down blade 110-type terminals

Part No.	Description	1	10
175071CB	Tool with 66 blade ⊕	$34.95	$31.46
324013CB	Tool with 110 blade ⊕	37.39	33.65
324021CB	Punch-down blade 66 ⊕	14.95	13.49
175089CB	Punch-down blade 110 ⊕	14.95	13.49

Data SureStrip™ Universal Cable Cutter/Stripper

Paladin Tools®

This multi-purpose tool is an easy-to-use universal cable cutter and stripper for data, telephone, and network installations.



- Cuts/strips multiple cable types: 4/6/8-conductor flat satin cables; 4/6/8-conductor UTP/STP data cables, 25-pair UTP/STP data and telephone cables; multi-conductor round bundled cables of up to 0.5" diameter; 8-14 AWG wire
- Fully adjustable with simple thumb screw
- Length: 4.5" • One-year warranty

Part No.	Product No.	SALE	1	5
230447CB	1116		$17.15	$15.57

Cable Slitter/Stripper

AM25 Slitter with 2109 blade

Strips and slits round cables with PVC, Teflon, and THNN insulation from 0.18"–1.0" diameter.



SALE Paladin Tools®

- Adjustable cutting depth to 0.18" • Length: 5.3"
- Swivel blade for circular, longitudinal & spiral cuts
- Cable holding clip with integrated edge for removing slit insulation • Spare blade in handle
- Lifetime tool warranty; one-year on blade

Part No.	Prod. No.	Description	1	5
230404CB	1820	Cable slitter/stripper ~~$37.95~~	$34.55	$31.39
236769CB	2109	Blade for 1820	14.59	12.29

CrimpALL® Crimper for RG58/59/62AU

Paladin Tools®



- Fully-ratcheting crimp cycle with built-in safety release
- Soft-rubber embedded handles
- Rugged, double-plated jaw, designed to increase life span
- Higher crimp force produced with less hand force
- No break-over hand force – less effort by the user to make the last click before making a complete crimp, the CrimpALL does all the work
- EZI-Change™ die screws makes changing dies quick and easy
- Length: 9.9" • Weight: 1.3 lbs.

SALE

Part No.	Product No.	1	5
230332CB	8030	~~$54.75~~ $51.35	$46.65

Crimpers for Twisted Pair Cable and BNC/TNC

Paladin Tools®



- Fully-ratcheting cycle with built-in safety release
- EZI-Change™ die screws
- For RJ45 (8P8C) crimps 22-28 AWG flat/round, solid/stranded wires
- For 2 or 3 piece BNC/TNC connectors crimps RG58/RG59/RG62AU cables • Length: 8.9"

230421CB: Twisted pair crimper with 2061 die
- Crimps 22-28 AWG flat/round, solid/stranded wires
- For RJ45 (8P8C)

230412CB: BNC/TNC crimper with 2034 die
- Crimps RG58/59/62AU cables
- For 2 or 3 pcs. BNC/TNC

✪ Blue P/N = Limited Quantity Available

Part No.	Product No.	1	5
230421CB	1307✪	~~$44.65~~ $41.25	$37.49
230412CB	1317✪	~~$44.65~~ 41.25	37.49

Digital Display Calipers

Metric or Inches



- Hardened stainless steel
- Display: inches to 0.001; mm to 0.01
- Instructions for making internal, external, depth & step measurements
- Calipers measure to 6 inches/150mm
- One-year warranty

Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783CB, pg 225)

Part No.	Description	1	10	25
127482CB	Digital disp. calipers ⊕	$64.95	$58.46	$52.61

Metal Dial Calipers

Metric or Inches



- For accurate measurements every time
- Measures outside, inside and depth
- Easy-to-read dial gauge
- Length: 6" (150mm)
- Materials: metal • Color: silver

Includes: Fitted plastic storage case

Part No.	Description (min. reading)	1	10	25
116134CB	Metric (.02 mm) ⊕	$29.95	$26.96	$24.26
116126CB	Inches (.001 inch) ⊕	29.95	26.96	24.26

33' Magnetic Tip Tape Measure

Retractable measuring tape's case has a rubber finish for easy grip and yellow contrast for easy visibility.



SALE

- 1" wide
- Metric and inches with 1mm and 1/16" scales
- Triple riveted magnetic end hook
- Bottom & side buttons for temporary tape lock
- Front thumb lock for permanent locking of tape measure • Belt clip and strap

Part No.	Description	1	5
261833CB	Measuring tape ~~$9.35~~	$6.99	$6.25

Vacuum Tweezers

Pick & place small parts of all kinds: glass slides, coins, optics, SMDs, film, etc.



- Size: 2.9"L x 0.6"W
- One-year warranty

Includes: 5 pads sizes 0.14" to 0.4"; 5 straight tips and 2 pieces 45˚ angle tips

Part No.	Description	1	10
88268CB	Vacuum pick & place kit	$32.95	$29.65

4-Piece Conductive SMD Tweezer Set



- 4 types of tweezers: fine point, flat head for 4mm SMD chip device, flat head for 8mm SMD chip device, sharp angled tip
- Each is 4.5" long

Part No.	Description	1	10	25
172638CB	4-piece tweezer set ⊕	$11.95	$10.95	$9.95

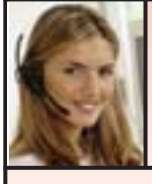
PLCC Surface Mount and DIP IC Extractors



- Size: 4.0"L x 2.0"W (both)

Part No.	Product No.	Description	1	10	100
16766CB	HT103B ⊕	PLCC	$3.95	$3.55	$3.19
16838CB	HT103A ⊕	DIP	1.49	1.25	1.09

Free Technical Support



Our knowledgeable Tech Support Department is ready to answer your questions.

Just call us!
1-800-831-4242

Test/Tools

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Pocket Trimmer Potentiometer Adjustment Tool



- Glass-filled body
- Stainless steel blade
- Size: 5.2"L

Part No.	Description	1	10	100
153314CB	Trimmer tool ⊕	$1.35	$1.22	$1.09

Crimp Pin Extraction Tools

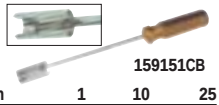


131887CB

- Easily extract 0.093" locking pins from connectors
- Heavy duty metal
- Precision design • Length: 5"
- See crimp pins on pg 138 (42729CB and 42649CB)

Part No.	Prod. No.	Description	1	10
131887CB	HT319C ⊕	Male tool for 42729CB	$10.95	$9.86
131879CB	HT319B ⊕	Fem. tool for 42649CB	11.29	9.03

BNC Connector Removal Tools



159151CB

- For deep chassis removal
- Allows access to hard-to-reach places

Part No.	Product No.	Length	1	10	25
159151CB	HT2206	6"	$11.49	$9.05	$6.79
152047CB	HT2212 ⊕	12"	14.99	14.25	13.53

D-Sub Pin Insertion/Extraction Tool



- Insertion/extraction tool: red/white plastic body; exchangeable tips

Part No.	Description	1	10	100
19094CB	Insert/extract tool ⊕	$2.79	$2.49	$2.15

Molex Connector Extraction Tools



142156CB/142236CB



227467CB/227395CB



236128CB

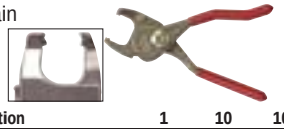


234940CB

142156CB/227467CB: For .062" power connectors
142236CB/227395CB: For .093" power connectors
236128CB/234940CB: For .100" KK® series housing

Part No.	Product No.	AWG	1	10
142156CB	W-HT-2285 ⊕	18-30	$14.49	$13.49
227467CB	W-HT-2023 ⊕	18-30	11.99	10.99
142236CB	W-HT-2038 ⊕	14-30	14.49	13.49
227395CB	W-HT-2054 ⊕	14-30	11.99	10.99
236128CB	W-HT-1884 ⊕	22-30	9.99	8.99
234940CB	11-03-0022 ⊕	22-30	14.99	12.99

Bushing Assembly Tool



- For use with strain relief bushings, P/N 182351CB, pg 108

Part No.	Description	1	10	100
73470CB	Bushing tool ⊕	$34.95	$28.75	$28.45

Committed To You

We're committed to providing you with the best service in the industry.

3X, 3-Bulb Magnifying Lamp



Adjustable rectangular 3-diopter lens allows independent movement of the lens for best lighting and viewing angles. Three 9-watt compact fluorescent bulbs located to the side and top of the lens provide superior lighting to your workspace or job at hand. The integral spring-balance arm reduces the chance of pinched hands from springs, and provides a sleek clean look.

- 47" long arm
- Color: beige
- Weight: 8.15 lbs.
- 2 on/off buttons
- UL listed

Part No.	Description	1	10	25
217517CB	Adj. magnifying lamp	$79.95	$74.95	$69.95

3X Magnifying Lamps



- 45" extension arm
- Supplied with 22-watt circuline tube
- New wire clip design permits easy installation
- Extra strong, all-metal mounting base with electrical outlet
- Metal bulb holder for extra protection
- Power requirement: 110VAC/60Hz
- 3X magnification
- Weight: 7.3 lbs.

Part No.	Description	1	10	25
100829CB	Black lamp	$59.95	$53.95	$49.95
149981CB	White lamp	59.95	53.95	49.95

Standard Adjustable 3X Magnifying Lamp



- 4" Diameter lens
- Maneuverable 30" arm extension
- Lamp tilts & turns in any direction
- Uses 60W incandescent bulb (not included)
- Power requirement: 110VAC/60Hz
- 3X magnification
- Weight: 2.9 lbs.

Part No.	Description	1	10	25
22710CB	Magnifying lamp	$26.49	$25.19	$23.89

Precision 5X Magnifying Lamp



The arm extends to 40", is adjustable to any direction or angle, and has a 5X magnifying glass with built-in light. This is the perfect tool to help identify small electronic components and magnify a printed circuit board to help solder electronic components.

- 5" diameter lens
- Weight: 7.1 lbs.
- Power requirement: 110VAC/60Hz

Includes: 22W circuline fluorescent bulb

Part No.	Description	1	10	25
197456CB	Magnifying lamp ⊕	$109.95	$98.95	$88.95

Flexible Neck Magnifier



Never squint again at small fine print or have a hard time holding a magnifying glass while holding two other tools with only two hands. Just simply clamp the magnifying lens on to a table or workbench and adjust the flexible gooseneck into position.

- 3.5" diameter & 3x diopter lens
- Arm length: 20"
- Weight: 1.8 lbs.

Part No.	Description	Price
239548CB	Flexible neck magnifier ⊕	$11.49

Tweezers with 8X Magnifier





The perfect combination hand tool for professionals working with small objects. Magnifying glass stays in perfect focus with tweezer heads.

- Stainless steel construction
- Precision tip tweezers
- 1.2" diameter 8 diopter lens
- Length: 3.8"

Part No.	Description	1	5
217824CB	Tweezer magnifier ⊕	$6.29	$5.99

Super Bright, Super Reliable LED Flashlights



215685CB



262422CB



261972CB

The perfect tool for individuals who really depend upon a flashlight that always works. Containing space-age solid-state circuitry, batteries last 14X longer than conventional flashlights. Its super bright white LEDs will last at least 11 years.

- Waterproof, designed for all weather conditions
- Shockproof, withstands a drop from 4'
- Low cost per hour of operation
- Industrial grade switch, rated for 10,000 operations

215677CB: One month continuous operation using three "D" cell batteries (not included, P/N 215845CB, pg 225)
- Wt.: 0.8 lbs.

215685CB: 25-days continuous operation using three "C" cell batteries (not included)
- Wt.: 0.6 lbs.

215693CB: 14-days continuous operation using 3 "AA" cell batteries (not included, P/N 198707CB, pg 225)

262422CB: 210 hours of continuous operation using 3 "AAAA" batteries (included)

261972CB: Headtorch delivers 330 hours of continuous operation using 3 "AA" batteries (not included, use P/N 198707CB, pg 225)

Part No.	Cross Ref. No.	LEDs	Length	1	10
215677CB	LW-4000 ⊕	10	10.6"	~~$63.95~~ $54.95	$49.59
215685CB	LW-3000 ⊕	7	8.9"	49.95	44.96
215693CB	LW-2100 ⊕	4	7.9"	31.95	29.63
262422CB	LW-TEC1000	1	—	~~$21.79~~ 19.95	18.95
261972CB	LW-HT ⊕	4	—	37.95	34.16

SALE

Test/Tools

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Protective Coiled Grounding Wrist Strap



- Comfortable, adjustable Velcro wrist strap
- The coiled cord has banana plug and alligator clips
- Extended cord: 9' long • Color: black

Includes: 1MΩ resistor for added safety

Part No.	Description	1	10	100
34551CB	Anti-static strap ⊕ ...	$6.49	$5.85	$5.29

Conductive Anti-Static Foam and Bags

Don't get zapped!

Protect your investment with these inexpensive bags and ensure a safe work area with our conductive anti-static foam.



13864CB



78668CB

- For safe storage of static sensitive devices

13864CB: 24.0"L x 12.0"W x 0.25"H

✳ **Prepackaged: order in increments of 5**

Part No.	Description	1	5
13864CB	Anti-static foam ⊕ ...	$9.29	$8.35
78668CB	4" x 6" anti-static bags ⊕ ...	✳	.16
78650CB	8" x 10" anti-static bags ⊕ ...	.69	.51

3M Disposable Anti-static Wrist Strap



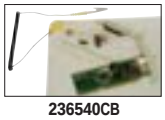
Disposable wrist strap for one time use and low durability applications. A hypoallergenic adhesive provides 360˚ contact with the skin to minimize skin-to-band resistance. The conductive adhesive on the copper foil adheres to any convenient electrical ground. A current limiting resistor is fabricated into the plastic ribbon below the wristband. One size fits all.

- Ship along with components and devices such as integrated circuits and computer peripheral cards

Part No.	Product No.	1	10	25
285456CB	3M 2209 ...	$1.29	$1.22	$1.20

Anti-Static Work Mats

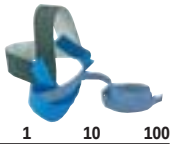
Make your work environment safe from static discharge! These mats are made of attractive semi-conductive vinyl that provide adequate discharging, yet will not short leads or pins.



236540CB

Part No.	Dimensions	Wt. (lbs.)	1	10	100
10575CB	11.3" x 22" ⊕	0.7	$9.95	$8.96	$8.06
10583CB	19.5" x 23.5" ⊕	1.1	13.95	12.59	11.35
236540CB	23.5" x 27.5" ⊕	1.4	24.95	22.49	20.19

Anti-Static Heel Strap



- Discharges static without restricting your mobility
- Ideal for anyone handling static sensitive devices
- Ground strap: 15.5"L

Part No.	Description	1	10	100
100327CB	Heel strap ⊕ ...	$5.49	$4.99	$4.55

Anti-Static Plastic DIP IC Storage Tubes and Rubber Rail Stops

29516CB: Thin tube (rail) fits 8, 14, 16, 18, 20 and 22-pin integrated circuits. • Length: 23.75"

29524CB: Wide tube (rail) fits 24, 28, 32, 40 and 48-pin integrated circuits. • Length: 20"

29583CB: Rubber stops used to plug plastic rail ends

ICs not included



29524CB



29583CB

✳ **Prepackaged: order in increments of 10 or 100**

Part No.	Cross Ref. No.	Description	1	10	100
29516CB	RIC20 ⊕	Thin rail ...	$.49	$.44	$.40
29524CB	RIC220 ⊕	Wide rail ...	.49	.31	.19
29583CB	RRS	Rubber stop ...	✳	.07	.053

Soldering Products

300-Watt Solder Pot

Temperature Regulated Between 420°C and 450˚C



- HI/LO temperature switch
- 2 conductor power cord: 5' 9" long
- Holds up to 1 bar of P/N 176057CB or 170464CB , below
- Input voltage: 110VAC @ 2.7A; 50-60Hz
- Size: (unit) 4.8"H x 5.5" Dia. (base) • Weight: 5.9 lbs.
- Size: (tub) 2.4"Dia. x 1.6"D • One-year warranty

Part No.	Description	1	10	25
160303CB	300W solder pot ⊕	$64.95	$58.49	$52.65

600-Watt Solder Pot

Temperature Adjustable



- 2-wire power cord (5'5")
- Temperature: 0˚C to 500˚C
- Self regulating temperature
- Input voltage: 110VAC @ 5.5A
- On-off power switch and LED indicator for heat
- Holds up to 3 bars of P/N 176057CB or 170464CB , below
- Size (unit): 6.8"L x 5.5"W x 2.8"H
- Size (tub): 3.9"L x 1.6"D • Weight: 7.4 lbs.

Includes: Skimmer and removable dross tray

Part No.	Description	1	10
172275CB	600W solder pot ⊕ ...	$189.95	$180.45

2000-Watt Solder Pot



- Thermostat control for setting temperature from 50°C to 300°C
- Holds up to 48 bars of P/N 176057CB or 170464CB , right
- Input voltage: 110VAC @ 18A, 50-60Hz single phase
- 3 conductor pigtail power cord: 5' long
- Size (unit): 18.1"L X 11.5"W X 6.0"H
- Size (tub): 12.0"L X 8.0"W X 2.9"H
- Weight: 23.1 lbs. • One-year warranty

Part No.	Description	1	5
149876CB	2000 watt solder pot ⊕ ...	$399.95	$359.95

Fume Extractor and Filters

Absorbs noxious lead fumes using activated-carbon filter and a high-efficiency fan



- Operate continuously providing filtered air • Static ground jack
- Air flow: 115 CFM • Fuse protected
- 120VAC, 60Hz, 22 watt
- Noise: 49dB fan • Aerodynamic hood design for effective removal of solder fumes • Black anodized aluminum case
- Removable carbon-impregnated filter
- Compact size allows use on work bench w/ minimum space • Size: 6.4"W x 4.6"D x 7.9"H
- Weight: 4.6 lbs. • One-year warranty

Includes: Detachable power cord

Part No.	Description	1	10	25
120150CB	Fume extractor ⊕ ...	$58.95	$52.95	$47.79
127183CB	Replace. filters (2/pk) ⊕	12.95	11.66	10.49

Combination 42-Watt Soldering Station and Fume Extractor



- Power consumption: 42W @ 650˚F (soldering iron)
- Adjustable knob for temp. control: 500˚ to 800˚F • Stability @ idle: ±9˚F
- Max. air volume: 95/115CFM
- LED indicator for pilot light
- Electronic zero-voltage switching
- Input voltage: 100-120VAC @ 60Hz
- Size: 6.4"W x 7.8"H x 4.7"D • Weight: 5.2 lbs.

Includes: Soldering iron, iron holder, sponge, carbon activated filter, power cord and manual

Part No.	Product No.	1	10
183169CB	456DLX ...	$89.95	$86.29

Solder Bars

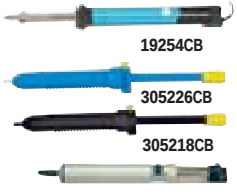


170464CB

- Used for soldering pots
- Tin/lead: 60/40 & 63/37 • Size: 13"L x 0.9"Dia.

Part No.	Description	Wt. (lbs.)	1	10	25
176057CB	60/40 ⊕	1.1 ...	$8.49	$7.65	$6.89
170464CB	63/37 ⊕	1.8 ...	11.95	11.33	10.77

Electric & Manual Desolder Pumps



19254CB

305226CB

305218CB

19166CB

- Easily disassembled for cleaning
- Replacement tips available

19254CB:

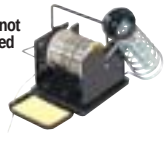
- UL listed
- One-hand operation
- Size: 10.5"L x1.0"Dia.

19166CB: Size: 7.8"L x 0.8"Dia.

305218CB/305226CB: Size: 13"L x 1.0"Dia.

Part No.	Description	1	10
19254CB	Electric desolder pump ⊕ ...	$26.95	$23.95
19166CB	Manual desolder pump ⊕ ...	4.95	4.49
305218CB	Manual desolder pump ...	18.95	17.99
305226CB	Man. desolder pump (ESD safe) ...	14.75	13.99
19262CB	1 tip for 19254CB ⊕ ...	4.95	4.49
22091CB	2 tips for 19166CB ⊕ ...	4.49	3.95
307774CB	1 tip for 305218CB ...	4.55	4.35
307782CB	1 tip for 305226CB ...	2.39	2.27

Solder Spool & Iron Stand



Solder not included

- 4 pc. spool stand (some assembly required)
- Shaft diameter: 0.6"
- Size: 6"L x 3.5"W x 3.1"H
- Sponge size: 1.6"W x 2.4"L
- Weight: 2.0 lbs.

Part No.	Description	1	10	100
169551CB	Spool & iron stand ⊕	$16.95	$15.29	$13.75

Solder Spool Stand



Solder not included

- 12 pc. solder spool stand (some assembly required)
- Size: 3.6"W x 3.9"D x 4.3"H
- Shaft dia.: 0.6"
- Weight: 1.6 lbs.

Part No.	Description	1	10	100
141760CB	Solder spool stand ⊕	$8.95	$7.95	$6.95

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Weller® 40-Watt Soldering Station



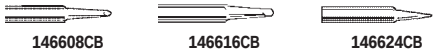
- Lighted on/off switch
- Adjustable power from 5 watts to 40 watts
- 120V @ 60Hz
- Temp. is electronically controlled from 350° to 850°F
- Size: 5.5"L x 4.5"W x 3.5"H • Weight: 1.9 lbs.

Includes: ST3 1/8" screwdriver tip and manual

Part No.	Prod. No.	Description	1	10
146595CB	WLC100 ⊕	Soldering station	$48.95	$44.09

Weller® Soldering Tips

Replacement Tips for WLC100, WP25 & WP23



146608CB 146616CB 146624CB

Part No.	Prod. No.	Description	1	10
146608CB	ST1 ⊕	Screwdriver tip 1/16"	$5.95	$5.35
146616CB	ST3 ⊕	Screwdriver tip 1/8"	5.95	5.35
192145CB	ST6 ⊕	Screwdriver tip .031"	5.25	4.75
146624CB	ST7 ⊕	Conical tip 1/32"	5.95	4.95

Weller® 42-Watt Controlled-Output Soldering Station



- Transformer powered soldering station complete with macro style, low voltage, temp. controlled soldering iron
- Closed loop method of controlling maximum tip temperature for protection of temperature sensitive components • 120VAC @ 60Hz input
- Power unit housing features impact resistant plastic for durability
- Quick disconnect plug for soldering iron and lighted on/off switch
- Separate conductor grounds iron tip and terminates third pin of power cord • Uses PT series tips
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

Includes: Soldering iron and PTA7 tip (below)

Part No.	Prod. No.	Description	1	10
170552CB	WTCPT ⊕	Solder station	$129.95	$124.95
192161CB	TC201T ⊕	Replac. iron	68.95	62.05
192170CB	PTA6 ⊕	.062" screwdriver tip (600°F)	6.95	6.25
192188CB	PTA7 ⊕	.062" screwdriver tip (700°F)	5.69	5.15
192196CB	PTA8 ⊕	.062" screwdriver tip (800°F)	5.69	5.15

XYTRONIC 60-Watt Analog Display Soldering Station

Maintains a steady temperature using a cartridge heating element, providing a longer life for the solid soldering tip.



- Electronic temperature control: 300°F to 850°F
- CMOS devices protected against voltage spikes
- Size: 4.3"W x 6.0"D x 3.4"H • Weight: 4.1 lbs.

Includes: One 1/16" tip (P/N 35115CB, pg 287)

236460CB: Replacement sponge

Part No.	Product No.	1	10	25
236110CB	168-3C ⊕	$89.95	$79.95	$72.95
236460CB	78-744615 ⊕	2.99	2.69	2.49

HAKKO Soldering Stations and Accessories



Superior quality soldering, desoldering tools and a wide assortment of accessories and related equipment for the electronics, industrial and hobby industries.

Soldering and Desoldering Stations

- Gun-style Desoldering Station
- Portable Desoldering Tool w/ a Built-in Vacuum Pump
- Cordless Soldering Iron

Tips • Chisel and conical fits • Nozzles

Tools and Accessories • Heat Guns • Micro cutters • Wire

These products ship from a separate warehouse and may not ship the same day.
Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Our Complete Hakko Soldering Stations and Irons Offering at www.Jameco.com/Prod/Hakko

50-Watt Analog & Digital Display Soldering Stations

Innovative heater and sensor combination for quick heat-up and rapid temperature recovery.



217461CB



233533CB

- Tip temperature offset capability allows user to reset temperature readings to match tip size and style
- Wireless temp. lockout
- Auto power-down after 90 minutes of inactivity
- Temperature range: 350°F to 850°F
- Temp. accuracy: ±9.0°F
- ESD safe
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.

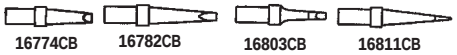
Includes: PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

Part No.	Product No.	Description	1	10
217461CB	WES51 ⊕	Analog	$115.95	$105.95
233533CB	WESD51 ⊕	Digital	158.95	150.99

Weller® Soldering Tips

Replacement Tips for WES51 & WESD51

- Tip leakage: less than 2mV
- Tip to ground resistance: less than 2Ω
- Additional tips can be special ordered



16774CB 16782CB 16803CB 16811CB

Part No.	Prod. No.	Description	1	10
16774CB	ETA ⊕	Screwdriver 1/16"	$6.95	$6.25
16782CB	ETJ ⊕	Long screwdriver 1/32"	6.95	6.25
16803CB	ETR ⊕	Narrow screwdriver 1/16"	6.95	6.25
16811CB	ETS ⊕	Long conical 1/64"	6.95	6.25

velleman Butane Powered Cordless Soldering Iron



- Cordless, simple operation
- Length: 8.5"
- Built-in on-off switch
- Can be used as a torch or hot blower
- Maximum temperature: 450°C (842°F)
- Average use of 40 minutes on a full load

NEW

Part No.	Prod. No.	Description	1	10
645520CB	GASIRON2 ⊕	Soldering iron	$29.55	$28.15
645554CB	GASIRON2/SPB ⊕	Replacement tip	1.79	1.69

65-Watt Soldering Station with Micro Soldering Pencil

The micro soldering pencil has the shortest tip-to-grip distance on the market today, giving you excellent control by putting you closer to the work. The heating element is contained in the pencil rather than the tip so you do not throw away a good heater every time you wear out a tip.



- Fast heat-up and thermal recovery
- Tips are secured to the pencil by use of a threaded end, eliminating the use of a barrel nut
- Temperature is reduced to 300°F (150°C) when pencil is not used for 20 minutes. Unit is switched off after 60 minutes of inactivity
- ESD safe to protect sensitive components
- Voltage: 120V input; 24V output
- Temperature range: 150°F-850°F (66°C-454°C)
- Temperature accuracy: ±9°F (±5°C)
- Temperature stability: ±10°F (±6°C)

Includes: WSLPU power unit, WMP soldering pencil with NT1 tip, and WMPH iron stand

Part No.	Product No.	1	5
227408CB	WSL ⊕	$255.95	$237.95

Weller® Soldering Tips

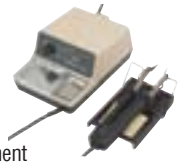
Replacement Tips for WSL



233576CB 233550CB 233541CB

Part No.	Prod. No.	Description	1	5
233576CB	NT1X ⊕	0.8mm bent round	$10.45	$9.91
233550CB	NTA ⊕	0.6mm chisel	8.59	8.25
233541CB	NT1 ⊕	0.25mm micro	9.99	8.29

XYTRONIC SMD Rework Station



- High-performance, inexpensive, versatile
- Adjustable temp.: 250-450°C (482-842°F)
- Thermocouple sensor for stable temperature
- Long-life ceramic heating element
- Rapid heat-up and recovery • Size: 7.4"L x 5.0"W x 3.3"H
- 40W station, 25W ceramic element • Weight: 2.6 lbs

Includes: Base power unit, sponge, stand, surface mount tweezer iron, and stand for tweezers

Part No.	Description	1	10	25
224629CB	Rework station ⊕	$89.95	$80.99	$72.85
168583CB	.078" tip ⊕	11.95	10.79	9.69
168591CB	.590" tip ⊕	12.95	11.69	10.49

Test/Tools

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

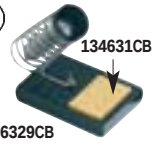
16 to 30-Watt Variable Soldering Iron, Stand & Sponge

116572CB:
- Length: 7.5"

36329CB:
- Black anodized steel base – 5.3"L x 3.3"W
- See below for replacement sponge (P/N 134631CB)
- Fits most soldering irons .85" diameter

Includes: Sponge


116572CB


134631CB

36329CB

Part No.	Description	1	10	100
116572CB	Soldering iron ⊕	$16.95	$15.29	$13.75
36329CB	Soldering stand ⊕	4.95	4.46	4.01
134631CB	Sponge (for P/N 36329CB) ⊕	2.99	2.69	2.49

Thermally Balanced 25-Watt Soldering Iron

The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.



- 120VAC; 6' cord
- 25-watt power consumption
- Interchangeable tips (pg 287) • UL listed
- Length: 8.0" • One-year warranty

Includes: 1.6mm conical tip

Part No.	Description	1	10	25
129040CB	25W solder. iron ⊕	$11.49	$10.35	$9.35

High-Quality 25-Watt & 35-Watt Soldering Irons

- Interchangeable heater elements
- Lightweight handle with cushioned grip
- Quick change knurled collar
- Length: 9"
- 120VAC @ 60Hz


170587CB


192153CB

Includes: Power cord & ST3 tip (pg 285)

Part No.	Product No.	Description	1	10
170587CB	WP25 ⊕	25W solder iron	$32.95	$31.35
192102CB	WP35 ⊕	35W solder iron	39.95	35.95
192153CB	PH25 ⊕	Solder iron stand	16.95	16.19

100-Watt Soldering Iron

- "Closed loop" method of controlling maximum tip temperature
- Nominal heat-up time with 700˚F tip is 110 seconds • 120VAC @ 60Hz input
- Length: 6" • Weight: 0.7 lbs.


192081CB

Includes: CT6F7 (0.375" screwdriver tip; 700˚F)

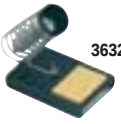
Part No.	Prod. No.	Description	1	5
192081CB	W100PG ⊕	Solder iron	$62.95	$59.79
192090CB	CT6F7 ⊕	.375" scrwdrvr tip	8.59	7.75

Special! Low-Cost Irons

30-Watt Soldering Iron and Stand

- UL approved
- Ideal for precision work
- 1/4" removable tip
- Length: 8.3"
- 110-120VAC


102461CB


36329CB

Part No.	Description	1	10	100
102461CB	30W soldering iron ⊕	$4.99	$4.49	$4.04
116020CB	Replacement tips (2) ⊕	2.25	1.91	1.43
36329CB	Soldering stand ⊕	4.95	4.46	4.01

35-Watt Soldering Iron

- UL approved
- Ideal for maintenance and hobby use
- 0.157" removable tip
- Length: 8.1"
- 110-120VAC


208987CB


208995CB

Part No.	Description	1	10	100
208987CB	35W soldering iron ⊕	$2.99	$2.69	$2.45
208995CB	Replacement tips (2) ⊕	.99	.89	.67
209074CB	Solder roll, 8mm (.031") ⊕	5.49	4.94	3.95

Economical, High-Performance Soldering Irons

High-quality soldering irons that are suitable for both professional and do-it-yourself applications.



- 25W, 40W, & 60W • Length: 9"
- 120VAC; 6' cord with 3-prong plug

Tips for 224611CB/224602CB:
226000CB chisel; **226018CB** conical

Tips for 195223CB:
226026CB chisel; **226034CB** conical

Part No.	Product No.	Description	1	10	25
224611CB	200PHG-25W ⊕		$7.95	$7.15	$6.45
224602CB	200PHG-40W ⊕		8.95	8.06	7.25
195223CB	200PHG-60W ⊕		13.95	12.49	12.11
226000CB	44-240517 tip ⊕		.95	.85	.79
226018CB	44-240513 tip ⊕		.95	.85	.79
226026CB	44-240617 tip ⊕		1.95	1.79	1.59
226034CB	44-240603 tip ⊕		1.95	1.79	1.59

SMD Tweezer Iron

- Maximum efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- Max. temp.: 760˚F
- Heater insulation exceeds 100MΩ • 120VAC
- Heater power consumption: 35W ea.


168410CB


168583CB

Includes: 0.095" tip

Part No.	Description	1	10	25
168410CB	Tweezer iron ⊕	$59.95	$53.95	$48.95
168583CB	Tip .078" ⊕	11.95	10.79	9.69
168591CB	Tip .590" ⊕	12.95	11.69	10.49

Vacuum Pen Tools

- ESD safe body
- Picks up components with weight of 1.1 lbs. or less

Part No.	Description	1	10	25
207239CB	Handivac tool ⊕	$19.99	$17.99	$16.19
207247CB	Pen vac tool ⊕	37.95	34.25	30.49


207239CB
4 tips and cups


207247CB
6 tips & cups, aluminum body

Butane-Powered Cordless Soldering Iron and Tips

Quantity SAVE


255265CB, 262107CB, 255290CB, 255302CB, 255311CB, 255329CB, 255337CB, 255361CB, 255370CB

This butane-powered soldering iron is designed for many popular cordless applications. Most common are automotive repair, aviation, electrical components, field repair, shrink tubing, television repair and more.

- Cordless, simple operation in the shop or field
- No electrical interference
- Automatic ignition
- Up to 200 minutes of operation in a full load
- Soldering temperature range: 240˚F to 1000˚F
- Torch temperature: 2400˚F

Part No.	Cross Ref. No.	Description	1	5
255265CB	PRO-120 ⊕	Soldering iron	$44.95	$42.69
262107CB	S-30 ⊕	Tip, deflector	1.19	1.09
255273CB	PS-1	Tip, 1/32" flat	8.35	7.55
255290CB	PS-2 ⊕	Tip, 3/32" flat	8.99	6.74
255302CB	PS-3 ⊕	Tip, 1/8" flat	8.99	8.75
255311CB	PS-4 ⊕	Tip, 3/16" flat	8.99	6.74
255329CB	PS-5 ⊕	Tip, 1/32" chisel	8.99	6.74
255337CB	PS-6 ⊕	Tip, 3/32" chisel	8.99	8.75
255361CB	PS-9 ⊕	Tip, hot knife	8.99	8.75
255370CB	PS-10 ⊕	Tip, hot blower	8.99	8.75

Weller® Cordless Soldering Iron Kit

- Self igniting and instant heat
- Adjustable temperature (25W to 125W)
- Auto switch off
- Visible gas level
- Additional tips can be special ordered
- 2 hours of heat on average tank setting



Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Prod. No	Description	1	5
152207CB	PSI-100K ⊕	Tool kit	$79.95	$75.95

WAHL® Cordless Soldering Iron

The #1 choice for field service soldering!

IsoTip® Power Pro Model #7904
- 900˚F tip temperature
- LED indicator light
- Solders 200+ joints or up to 30 minutes of continuous soldering
- Iron performance equivalent to 25-watt iron • Weight: 1.1 lbs.



Includes: Soldering iron, recharging stand, NiCd battery pack, and tips

Part No.	Description	1	10
132783CB	Power Pro cordless iron ⊕	$61.95	$58.85

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

45-Watt Analog Display Soldering Station

Grounded Soldering Tip

- 500°F to 850°F • Fully grounded
- Insulated ceramic heating element for rapid heat-up and heat recovery
- Heater insulation exceeds 100MΩ
- Zero voltage circuitry eliminating high voltage spike and magnetic field generation
- Size: 7.0"L x 4.5"W x 3.5"H • Weight: 2.5 lbs.



Includes: Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

Part No.	Product No.	Description	1	10	25
229673CB	XYT379-C	45-Watt soldering station	$59.95	$53.95	$48.95
156814CB	XYB01	Sharp conical chisel 1/32" tip	4.95	4.49	3.95
156822CB	XYB04	Conical chisel 1/16" tip	4.95	4.49	3.95
134631CB	SP715	Replacement sponge	2.99	2.69	2.49

60-Watt Soldering Stations

Designed for soldering situations where precise temperature is required for sensitive components.

- Temperature is maintained at ±6°F
- Electronic temperature control from 392° to 878°F
- External calibration port
- CMOS devices protected against voltage spikes
- Power-on and heater-on LED indicators
- Size: 5.1"W x 8.0"D x 4.0"H • Weight: 4.8 lbs.



236101CB

168401CB



219627CB

Includes: One 1/16" tip (P/N 35115CB – below)

Part No.	Product No.	Description	1	10	25
236101CB	XY9-60D/ESD	Digital soldering station – ESD safe	$109.95	$99.95	$89.95
219627CB	XY9-60A	Analog soldering station	99.95	89.95	79.95
168401CB	TWZ50ESD	SMD tweezer iron w/ 0.078" tip	74.95	67.46	60.71
168583CB	46-060102	Tip .078" for P/N 168401CB	11.95	10.79	9.69
168591CB	46-060115	Tip .590" for P/N 168401CB	12.95	11.69	10.49
236460CB	78-744615	Replacement sponge for both stations	2.99	2.69	2.49

Special
5% Bundle Savings
Complete ISO 9000 digital station –
P/N 236101CB & 125508CB
Sold separately $409.90
Combined: P/N 207263CB
$388.95

60-Watt Desoldering & Solder/Desoldering Stations



125508CB



125516CB

- Simple fine tune feature to select within 300–850°F range
- Vacuum pump activated "on demand" using finger tip switch on desolder handle
- CMOS devices protected against voltage spikes



223853CB

125508CB:
- Size: 9.2"L x 7.2"W x 3.6"H
- Weight: 13.1 lbs.

Includes: XYD12 tip and solder holder

125516CB/223853CB: Size: 11"L x 10"W x 4.0"H; Wt.: 18.1 lbs.
Includes: XYD12 tip, solder holder, tip cleaner and tweezers

223853CB: Dual display of tip temperature with selector switch for °C or °F and read/set temperature

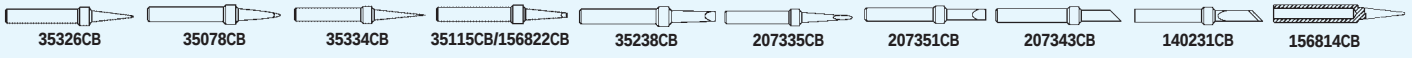
Part No.	Product No.	Description	1	10	25
125508CB	968	Desoldering station	$299.95	$269.99	$242.99
125516CB	988	Solder/desoldering station	399.95	359.99	323.99
223853CB	988D	Solder/desoldering (dual display)	459.95	413.95	372.55
207271CB	TWZ60ESD	SMD tweezer iron with .078" tip	69.95	62.95	56.95
207221CB	D1A60A	Replacement desoldering iron	74.95	63.71	58.20
168583CB	46-060102	Tip .078" for P/N 207271CB	11.95	10.79	9.69
168591CB	46-060115	Tip .590" for P/N 207271CB	12.95	11.69	10.49
236460CB	78-744615	Replacement sponge for all stations	2.99	2.69	2.49

Replacement Sponges for Legacy Models

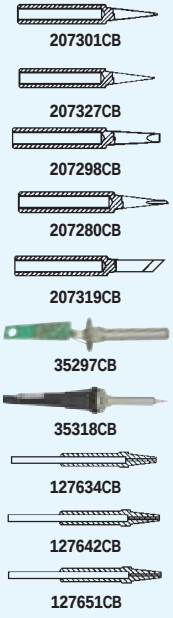
Part No.	Product No.	For Station	1	10	100
134640CB	SP815	168-3C	$2.99	$2.55	$1.95
134631CB	SP715	XY-60D, XY-379 & P/N 229673CB	2.99	2.69	2.49

See page 289 & 290 for chemicals & other accessories to assist you in your soldering projects.

Tips & Replacement Parts for XYTronic Soldering and Desoldering Products



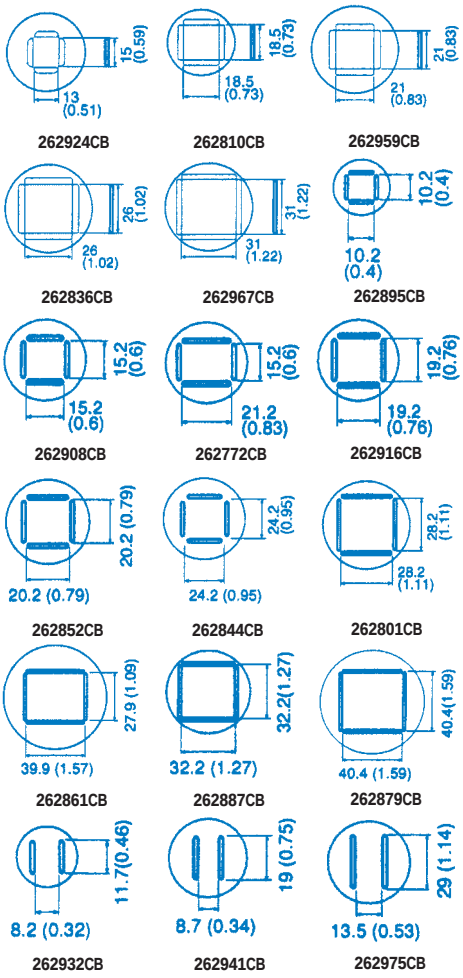
Part No.	Cross Ref. No.	Description	For XYTronic Model Numbers (*Legacy Models): 136ESD	168*	200CX, 200PHG	379	AESD*/XY960A/IDESD	960D*	968	988	999SDA*	JSI258*	168-3C	2860*	Pricing: 1	10	25
35326CB	XY401	Soldering tip - conical bevel 1/32"		✓	✓		✓	✓			✓	✓	✓		$4.49	$3.95	$3.65
35078CB	XY402	Soldering tip - semi-chisel 1/32"		✓	✓		✓	✓			✓	✓	✓		4.49	3.95	3.65
35334CB	XY403	Soldering tip - conical sharp 1/64"		✓	✓		✓	✓			✓	✓	✓		4.49	3.95	3.65
35115CB	XY404	Soldering tip - conical chisel 1/16"		✓	✓		✓	✓			✓	✓	✓		4.49	3.95	3.65
35238CB	XY405	Soldering tip - semi-chisel wide 1/8"		✓	✓		✓	✓			✓	✓	✓		4.49	3.95	3.65
207335CB	XY406	Soldering tip - long conical chisel 3/64"		✓	✓		✓	✓			✓	✓	✓		2.95	2.69	2.39
207351CB	XY410	Soldering tip - chisel 3/16"		✓	✓		✓	✓			✓	✓	✓		2.95	2.69	2.39
207343CB	XY411	Soldering tip - wedge 3/16"		✓	✓		✓	✓			✓	✓	✓		2.95	2.69	2.39
140231CB	XY430	Soldering tip - SMD flat pack 7/32"		✓	✓		✓	✓			✓	✓	✓		8.95	7.95	7.25
156814CB	XYB01	Soldering tip - sharp conical chisel 1/32"	✓			✓				✓					4.95	4.49	3.95
207301CB	XYB02	Soldering tip - conical semi-sharp 1/32"	✓			✓				✓					4.95	4.49	3.95
207327CB	XYB03	Soldering tip - conical sharp 1/64"	✓			✓				✓					4.95	4.49	3.95
156822CB	XYB04	Soldering tip - conical chisel 1/16"	✓			✓				✓					4.95	4.49	3.95
207298CB	XYB05	Soldering tip - semi-wide chisel 1/8"	✓			✓				✓					4.95	4.21	3.16
207280CB	XYB06	Soldering tip - long conical chisel 3/64"	✓			✓				✓					4.95	4.49	3.95
207319CB	XYB30	Soldering tip - wedge blade 3/16"	✓			✓				✓					8.95	7.65	5.75
35297CB	XY37	Heating element - (nichrome)		✓	✓		✓				✓		✓		20.95	18.95	16.95
35318CB	XY48	Assembly - 60W w/ nichrome heater		✓	✓		✓				✓		✓		30.95	27.95	24.95
127634CB	XYD10	Desoldering tip - 1.0mm (.0394")						✓	✓		✓				8.95	7.95	7.25
127642CB	XYD12	Desoldering tip - 1.2mm (.0472")						✓	✓		✓				8.95	7.95	7.25
127651CB	XYD15	Desoldering tip - 1.5mm (.0586")						✓	✓		✓				8.95	7.95	7.25



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Focus Hood Tips
Dimensions: mm (in.)



Hot Air SMD Rework Station with Digital Display

The Hot-Air SMD 850D is engineered to meet the demanding needs of today's electronic industry; technicians, service/repair and assembly rework. The system not only increases productivity for SMD assembly and repair but also achieves a new standard of quality.



- Incorporates a US made pump – the largest in the industry
- Long life ceramic heater insures accurate and sufficient heat where you need it
- Adjustable air-flow
- Electronically controlled temperature system with digital readout in preset and actual temperature
- Automatic cooling mode protects the heating element
- Power supply: 100-120VAC or 220-240VAC
- Airflow capacity: 1.5L/min. to 28L/min.
- 310W nichrome heating element
- Hot air temperature range: 100˚ - 385˚C (212˚ - 725˚F)
- Size: 7.4"W x 9.6"D x 5.0"H
- 25W diaphragm pump
- Weight: 10.8 lbs.

Includes: Precision 5 pc. non-magnetic tweezer set, 4 focus hood tips (single 2.5mm and 4.4mm pipes, P/N 262895CB and 262908CB)

Part No.	Product No.	Description	1	5
262705CB	850D ⊕	Hot air SMD rework station with 4 focus hood tips	**$395.05**	**$375.25**
262983CB	HG850D ⊕	Heat gun replacement	**78.95**	**74.95**
262924CB	A1141B ⊕	Focus hood tip, PLCC 11.5 x 14	**34.95**	**33.25**
262810CB	A1135B ⊕	Focus hood tip, PLCC 17.5 x 17.5	**34.95**	**33.25**
262959CB	A1136B ⊕	Focus hood tip, PLCC 20 x 20	**49.95**	**48.29**
262836CB	A1137B ⊕	Focus hood tip, PLCC 30 x 30	**49.95**	**48.29**
262967CB	A1138B ⊕	Focus hood tip, PLCC 30 x 30	**49.95**	**48.29**
262895CB	A1125B ⊕	Focus hood tip, QFP 10 x 10	**34.95**	**33.25**
262908CB	A1126B ⊕	Focus hood tip, QFP 14 x 14	**34.95**	**33.25**
262772CB	A1128B ⊕	Focus hood tip, QFP 14 x 20	**34.95**	**33.25**
262916CB	A1127B ⊕	Focus hood tip, QFP 17.5 x 17.5	**34.95**	**33.25**
262852CB	A1261B ⊕	Focus hood tip, QFP 20 x 20	**49.95**	**48.29**
262844CB	A1182B ⊕	Focus hood tip, BQFP 24 x 24	**49.95**	**48.29**
262801CB	A1129B ⊕	Focus hood tip, QFP 28 x 28	**49.95**	**48.29**
262861CB	A1263B ⊕	Focus hood tip, QFP 28 x 40	**79.95**	**75.95**
262887CB	A1265B ⊕	Focus hood tip, QFP 32 x 32	**79.95**	**75.95**
262879CB	A1264B ⊕	Focus hood tip, QFP 40 x 40	**79.95**	**75.95**
262932CB	A1258B ⊕	Focus hood tip, SOP 7.6 x 12.7	**34.95**	**33.25**
262941CB	A1260B ⊕	Focus hood tip, SOP 8.6 x 18	**34.95**	**33.25**
262975CB	A1259B ⊕	Focus hood tip, SOP 13 x 28	**49.95**	**48.29**

Vises

Vacuum Vise



- Features the patented "split ball" that tilts, turns and rotates through three planes
- Nylon jaws open a full 2.25"
- Powerful suction pad for quick and easy set-up
- Size: 5.0"L x 4.0"W x 6.3"H
- Weight: 3.3 lbs.
- One-year warranty

Part No.	Cross Ref. No.	1	5
262115CB	GV-300 ⊕	**$47.19**	**$44.85**

Clamp Vise



- Lightweight, sturdy construction
- No tools needed – finger turn to tighten
- Ball cup allows vise to adjust to any angle
- Nylon jaws open 2"
- Size: 10.0"L x 2.5"W
- Weight: 2.1 lbs.

Part No.	Description	1	10
127167CB	Clamp vise ⊕	**$17.95**	**$16.99**

Third Hand

72864CB



- Frees hands for soldering
- Two adjustable arms with alligator clip jaws
- 2" diameter magnifying lens
- Quick and easy rotation
- Sturdy, heavy base
- Weight: P/N 26690CB: 0.7 lbs.; P/N 72864CB: 1.4 lbs.

Part No.	Description	1	10	50
26690CB	Third hand ⊕	**$5.95**	**$5.35**	**$4.79**
72864CB	W/ soldering holder ⊕	**8.75**	**7.89**	**7.15**

Hobby Table Vise

Made of aluminum die cast construction, this is an ideal tool for the hobbyist.



- Jaw width: 2.4"
- Maximum opening: 2.0"
- Clamps to any surface up to 1" thick
- Weight: 1.0 lb.

SALE

Part No.	Description	1	5
262001CB	Hobby vise	**$5.29**	**$4.75**

PanaVise Electronic Work Center



- Circuit board holder, standard base, tray base mount, solder station, sponges and wire holder included
- Size: 8.5"W x 7.8"H
- Weight: 5.3 lbs.
- One-year warranty

Part No.	Description	1	5	10
27060CB	Electronic center ⊕	**$74.95**	**$71.25**	**$66.95**

PanaVise PV Jr. Vise



- Jaw opening: 2.8"
- Jaw size: 1" wide x 2" long
- Jaw heat tolerance: 350˚F
- Vertical/horizontal jaw grooves
- Fine/coarse adjusting knob
- Vise height: 6.8"
- The vise neck tilts, turns and rotates
- Base bolt is 4.3" and fits all PanaVise base mounts
- Weight: 1.4 lbs.
- One-year warranty

Part No.	Description	1	10
134439CB	Jr. vise w/ mountable base ⊕	**$21.95**	**$19.95**

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

PANAVISE Vacuum Base Vise



An exceptionally lightweight, portable vice that firmly attaches to any flat, smooth, non-porous surface. A single knob locks the head into position, while a second locks the arm at any angle you select. This vise will hold any item weighing up to 3 pounds.

SALE

- Head moves through three planes: 210˚ tilt, 360˚ turn and rotation
- Grooved jaws are excellent for holding small objects and are made of reinforced thermal alloy and opens up to 2.9"
- Fine/coarse adjustment knobs control jaw pressure
- Arm movement is 140˚; positive indents control movement to prevent "flopping"
- Lever locks vacuum pad into place on any flat, smooth, non-porous surface
- Jaw size: 2"H x 1"W
- Base diameter: 3.4"
- Overall height: 7.5"H
- Weight: 0.8 lbs.

Part No.	Product No.	1	10
251791CB	209 ⊕	$29.99	$26.99

PANAVISE Vacuum Vise



- Features the patented "split ball" that tilts, turns and rotates through three planes
- Nylon jaws open a full 2.25"
- Powerful suction pad for quick and easy set-up
- Size: 5.0"L x 4.0"W x 6.3"H
- Weight: 3.3 lbs.
- One-year warranty

Part No.	Product No.	1	10
27131CB	M381 ⊕	$55.95	$53.25

JAMECO BenchPro Soldering Gun



This soldering gun with nozzle guide for solder is perfect for soldering through-hole components. Trigger action pulls out solder from the back of the soldering gun to the tip for the exact amount of solder.

- Power consumption: 40W
- 120 VAC
- Solder entrance at the back of gun accepts 0.8mm to 2.3mm diameter solder
- Single hand operation
- Lightweight
- Size: 7.5"L x 1.4"W x 5.9"H
- Weight: 0.7 lbs.

Part No.	Description	1	10	25
319169CB	Single feed soldering gun ⊕	$37.15	$33.19	$31.55

Soldering Tip Cleaner with Stand and Rosin Paste Flux


156777CB


73584CB

156777CB:

- For cleaning soldering iron tips without the use of water and sponge
- Metal wool for cleaning
- Rubberized base for stability

73584CB: Highly active non-corrosive and non-conductive flux with excellent wetting action

Part No.	Description	1	10	50
156777CB	Tip cleaner & stand ⊕	$4.95	$4.49	$4.05
160004CB	Metal wool replacement ⊕	2.79	2.49	2.29
73584CB	Rosin paste flux (2 oz.) ⊕	2.95	2.36	1.77

Rosin Core Solder Rolls and Pocket Packs

141778CB



32117CB



170456CB



73576CB



* Organic core

Part No.	Manufacturer	% Composition Tin	Lead	Silver	Dia. (In.)	Wt. (lbs.)	Pricing 1	10	50	100
73576CB	Kester (pak) ⊕	60	40	0	.031	0.04	$2.59	$2.33	$2.10	$1.75
32117CB	Kester ⊕	60	40	0	.031	1.00	13.19	11.89	10.69	9.59
73605CB	Kester (pak) ⊕	62	36	2	.020	0.10	1.25	.99	.97	.96
112344CB	Kester	63	37	0	.020	1.00	19.49	18.50	18.27	18.14
151474CB	Kester ⊕ *	63	37	0	.031	1.00	18.39	16.55	14.89	13.39
170456CB	Golden ⊕	60	40	0	.031	0.06	1.39	1.25	1.05	.99
141794CB	Super ⊕	60	40	0	.031	0.55	5.95	5.39	4.85	4.35
141786CB	Super ⊕	60	40	0	.031	1.10	7.95	6.95	6.25	5.82
141778CB	Super ⊕	60	40	0	.031	2.20	13.95	12.95	11.95	11.43

Lead-Free Solder Tip Tinner



Prevents oxide buildup and tin depletion on the tip. Increases tip life and heat transfer resulting in a better solder joint!



Safe and Effective!

- 0.7 oz. tin with self adhesive pad

Part No.	Description	1	10	50
132986CB	Lead-free tip tinner ⊕	$4.95	$4.59	$4.19

TECHSPRAY 5' No-Clean Desolder Braids

Meets all of the most stringent soldering standards for worldwide application including: MIL-F-142560D Type R, NASA specification NHB5300.4, NPC200-4 and SP-5002.


139951CB


124126CB

- Length: 5'

Part No.	Description	1	10	100
139951CB	.030"W desolder braid ⊕	$2.59	$2.29	$1.95
124126CB	.060"W desolder braid ⊕	2.35	2.15	1.95
124118CB	.075"W desolder braid ⊕	2.39	2.15	1.95
263708CB	.098"W desolder braid ⊕	2.69	2.45	2.33

5' Desoldering Braids

- Easy-to-use, handy dispenser
- Braided copper with flux


41099CB

Part No.	Description	1	10	100
41081CB	.079"W braid (5') ⊕	$1.49	$1.27	$.95
41099CB	.098"W braid (5') ⊕	1.55	1.29	1.15
153461CB	.120"W braid (5') ⊕	1.59	1.39	1.25

TECHSPRAY ProWick® Desoldering Braid

Pure Rosin

Finest oxygen-free and oil-free fine-gauge wire, the 100% copper wick is then coated with flux, which cleans connections thoroughly during desoldering to insure maximum solderability. The thin coating of flux also provides dependable, long lasting protection from oxidation.


263695CB

- 263581CB with bobbin
- Length: 5'

Part No.	Product No.	1	10	100
263695CB	1803-5F (0.075"W) ⊕	$1.95	$1.77	$1.68
263599CB	1804-5F (0.098"W) ⊕	2.19	2.09	1.89
263581CB	1811-5F (0.098"W) ⊕	2.45	2.29	2.09

Clip-On Heat Sink



- Absorbs and dissipates heat during soldering and desoldering sensitive parts
- Size: 2.7"L x 0.7"W

Part No.	Mfr. Part No.	1	10	25
159126CB	HT156 ⊕	$2.65	$2.38	$2.15

Heat Sink and 7-Piece Soldering Aid Kit


100378CB



100503CB



SALE

100378CB: Heat sink absorbs and dissipates heat during soldering & desoldering of sensitive parts
100503CB Includes soldering wick, 3 pc. scraper set, acid brush, clip-on heat sink and empty squirt bottle

Part No.	Description	1	10	50
100378CB	Heat sink	$.45	$.40	$.36
100503CB	Soldering kit	4.09	3.72	3.38

Heat Sink Compound

Thermally loaded silicone-based grease that improves transfer of energy across the metal-to-metal interface between transistor or rectifier and heat sink.


236822CB

- Color: opaque white

Part No.	Mfr. Part No.	1	10	100
167249CB	THM250 (2 oz.) ⊕	$9.95	$8.96	$8.06
236822CB	54114 (1 oz.) ⊕	4.95	4.21	3.16

Heat Sink Compound 4-oz. Tube

This silicone-free compound provides more effective heat transfer. Will not harden, dry out, melt, or contaminate wave-solder baths.



TECHSPRAY

Part No.	Product No.	1	10
169252CB	1978DP ⊕	$16.95	$16.20

Plastic Pump Bottle



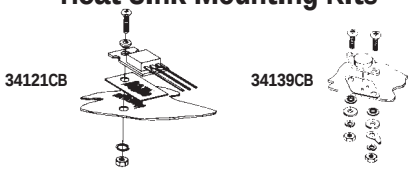
- 6 oz. bottle
- ESD compliant
- Plastic bottle with dispenser cover

Part No.	Description	1	10	50
158131CB	Pump bottle ⊕	$9.95	$8.95	$7.95

Test/Tools

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Heat Sink Mounting Kits



- TO-3 and TO-220 heat sink insulator assemblies
- 10 kits per pack

Part No.	Type	Description	1	10	100
34121CB	TO-220	5 pcs per kit ⊕	$3.95	$3.55	$3.19
34139CB	TO-3	12 pcs per kit ⊕	3.95	3.59	3.25

DATAK Direct Etch PCB "Starter" Set



Includes: 4 blank circuit boards, dry concentrated ferric chloride etchant, instructions, 8 sheets of direct etch donuts, DIP, patterns, lines and 1/32" & 1/16" etch resist tape.

Part No.	Product No.	Wt. (lbs.)	1	10
70412CB	ER1*	0.7	$11.95	$10.95

*Shipped via UPS ground to continental U.S. only

DATAK Pre-Sensitized Circuit Boards & Developer



- Pre-coated circuit board
- Size: 3.0"L x 4.0"W x 1/16"T

Includes: Instructions 156751CB

Part No.	Description	Wt. (lbs.)	1	10	25
156751CB	Single sided	—	$4.95	$4.49	$3.95
156742CB	Double sided	—	6.49	5.85	5.25
156734CB	4 oz. Pos. developer*	0.6	6.95	5.95	4.95

*Shipped via UPS ground to continental U.S. only

DATAK Photo Etch™ Printed Circuit Kit



Generate your own 1:1 artwork. Then use the patented Fast Neg film process to make a photo negative and sensitize and expose a blank copper board. Finish by developing & etching. No camera or darkroom is required.

Part No.	Product No.	Wt. (lbs.)	1	10
16731CB	12-750*	4.6	$39.95	$36.95

*Shipped via UPS ground to continental U.S. only

DATAK Dry Concentrated Etchant



- Makes one pint of etch solution

Part No.	Product No.	1	10	25
70201CB	ER3	$3.95	$3.49	$3.15

Acid Brush



- Used for application of reactive solvents

Part No.	Description	1	10	100	1000
153322CB	Metal handle, 6" ⊕	$.65	$.59	$.47	$.35

We're Listening to What You Need

Please send your requests to NewProducts@Jameco.com.

TECHSPRAY Workshop Chemicals

- Safe on plastics
- EPA SNAP approved, no CFCs or HCFCs



Envi•Ro•Tech™ Duster

Removes microscopic contaminants, lime, dust, metallic oxide, deposits, and other soils without the use of harmful solvents.

Part No.	Description	Wt. (lbs.)	1	12
139900CB	10 oz. aerosol w/ trigger ⊕ *	0.8	$8.49	$7.73
263530CB	15 oz. aerosol w/ trigger ⊕ *	0.8	11.15	10.68

Envi•Ro•Tech™ Freezer

Rapidly evaporating liquid that can chill to -62˚F.

Part No.	Description	Wt. (lbs.)	1	12
139934CB	10 oz. aerosol can ⊕ *	0.8	$9.49	$8.49

ECOLINE Flux Remover

- Dissolves R, RMA, RA, SA & most no-clean fluxes

Part No.	Description	Wt. (lbs.)	1	12
118041CB	10 oz. flux remover ⊕ *	0.8	$9.49	$8.55

ECOLINE Contact Cleaner

- Ideal for switches, relays & other places on electrical connections
- Will not damage switch housings

Part No.	Description	Wt. (lbs.)	1	12
118033CB	10 oz. contact cleaner ⊕ *	0.9	$8.95	$8.30

TechClean® Wiper

This hydro-entangled cellulose/polyester wipe has high absorbency with extra-low particulate and chemical extractables.

Part No.	Description	Wt. (lbs.)	1	12
263564CB	100 sheet/pk	1.1	$16.29	$15.09

Isopropyl Alcohol

99.8%+ pure, anhydrous isopropanol for all-purpose cleaning. Excellent for tape head cleaning, removal of fluxes, light oils, polar soils, and white mineral residue.

Part No.	Description	Wt. (lbs.)	1	12
263572CB	1 pint bottle ⊕ *	1.1	$8.49	$7.65

*Shipped via UPS ground to continental U.S. only

Fine-L-Kote™ Silicone Conformal Coating

A type SR silicone resin conformal coating that has excellent moisture and fungus resistance properties, offers chemical resistance and is recommended for harsh environments. Contains Opti/Scan™ to allow for black light inspection.

Part No.	Description	Wt. (lbs.)	1	12
263548CB	12 oz. aerosol can ⊕ *	1.0	$18.95	$17.06

Fine-L-Kote™ Urethane Conformal Coating

As a urethane coating, this is highly resistant to most solvents, moisture, fungus, and molds. A clear, repairable coating, it is formulated with a black light indicator Opti/Scan, to provide checks for conformity in quality control.

Part No.	Description	Wt. (lbs.)	1	12
263556CB	12 oz. aerosol can ⊕ *	1.0	$16.39	$15.70

Flux Remover Pen

A unique combination of hydrocarbon solvents and alcohols makes it an excellent defluxer. This can also be used as an all-purpose cleaner for removal of light oils, silicones, waxes, greases, and similar contaminants.

Part No.	Product No.	Wt. (lbs.)	1	12
263724CB	11.5 ml pen ⊕	0.1	$6.39	$6.09

Conductive Pen

Contains a fast-drying, silver-filled ink designed to quickly make highly conductive silver traces.

- Repairs traces
- Makes smooth jumpers
- Links components
- Shields components

Part No.	Description	Wt. (lbs.)	1	12
263716CB	4.89 ml pen ⊕	0.1	$13.99	$13.29

Overcoat Green Pen

Designed to insulate printed circuit board traces and components against high voltage arcing, and provides protection from moisture. Configured for rework and repair where precision application is necessary.

- Protects conductive pen traces
- Repairs permanent solder mask

Lower $$$

Part No.	Description	Wt. (lbs.)	1	12
263732CB	5 ml pen ⊕	0.1	$10.89	$9.89

TECHSPRAY Chemicals



- *Zero Charge® Mat & Table-Top Cleaner*
- *Zero Charge® Screen & Keyboard Cleaner*
- *Quick Test® Detector Activation Spray*
- *SMT Stencil Cleaner*
- *Zero Charge® Hand Lotion*
- *Zero Charge® Anti-Stat*
- *Static Sensitive Brush*
- *No-Clean Flux Dispensing Pen*
- *Fine-L-Kote™ SR Silicone Conformal Coating*

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete TechSpray Chemicals Offering at www.Jameco.com/Prod/TechSpray

Chemtronics Chemicals



- *CircuitWorks®*
- *Pow-R-Wash®*
- *Electro Wash®*
- *Flux Off®*
- *Freeze It®*
- *Ultra Jet®*
- *Static Free Cleaner*
- *Adhesive Mats*
- *Wipes and Swabs*

These products ship from a separate warehouse and may not ship the same day. Each warehouse will accrue separate shipping charges. Sorry, we're unable to ship COD.

See Complete Chemtronics Chemicals Offering at www.Jameco.com/Prod/Chemtronics

♻ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

3M Scotch-Weld™ Epoxy Adhesive



A flame-retardant (self-extinguishing) off-white version of 3M™ Scotch-Weld™ DP-100 Adhesive. It meets UL94VO burn test requirements, has a 1:1 mix ratio, and has a work life of 5 - 8 minutes. It is ideal for many applications requiring a flame retardant adhesive.

Part No.	Description	1	10	25
652228CB	1.7 fl. oz.	$18.75	$16.63	$14.94

3M Scotch-Weld™ Epoxy Adhesive DP-190



A gray, flexible, two-part adhesive that cures at room temperature and provides high strength bonds with good performance in shear and peel. Can be used to bond rubber, metal, wood, most plastics and masonry products. This adhesive has a 90 minute work life, with improved impact and shock resistance over many traditional epoxy adhesives. It is a 1:1 mix ratio of 2216 B/A gray adhesive.

Part No.	Description	1	5	10
652236CB	1.7 fl. oz.	$17.50	$16.25	$15.25

3M Scotch-Weld™ Adhesive



A higher viscosity, one-part, high strength, fast-setting adhesive that cures at room temperature. Adheres to difficult-to-bond substrates such as EPDM rubber, aluminum, and flexible vinyl. ScotchWeld adhesive exhibits good resistance to soap solutions and isopropyl alcohol.

Part No.	Description	1	5	10
646477CB	ScotchWeld C-40	$19.95	$19.25	$18.49
646717CB	ScotchWeld C-40H	18.95	17.75	16.75

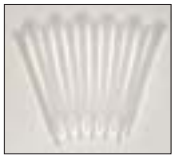
3M Scotch-Weld™ EPX™ Plus II Applicator



The applicator is a low-cost portable, self contained metering, mixing and dispensing machine that simultaneously meters and mixes two-part adhesives as the material is applied. The plunger is for the 3M™ Scotch-Weld™ EPX™ Plus II Applicator. The EPX Plus II Applicator is used to dispense 3M™ Scotch-Weld™ adhesives in duo-pak cartridges.

Part No.	Description	1	5	10
652201CB	Applicator	$64.95	$59.95	$54.95

3M Tapered Mixer Tip



Enables technicians to apply a fine bead for use in bonding impact strips and sealing small seams as well as many other applications where a fine bead is required. Tip can be cut for desired bead thickness.

Part No.	Description	1	10	25
652210CB	Mixer tip	$1.55	$1.37	$1.23

3M Scotch-Grip™ Rubber and Gasket Adhesive



A yellow, premium quality, versatile, brushable, heat resistant adhesive that develops strength rapidly. Has excellent adhesion to metal, baked enamel, wood, most plastics, neoprene, reclaim, SBR and butyl rubber. NOT for EPDM rubber.

Part No.	Description	1	10	25
647058CB	5 oz. tube	$13.65	$12.09	$10.86

3M Scotch-Grip™ Plastic Adhesive



A clear, elastomeric adhesive with exceptional adhesion to metal and plastic. This adhesive is unique in its ability to bond hard-to-hold materials like polypropylene, polyethylene, and high-impact polystyrene. Exhibits high immediate bond strength, long tack range, and contact bond properties. Good resistance to water and aging.

Part No.	Description	1	10	25
647066CB	5 oz. tube	$13.25	$11.75	$10.56

3M Scotchkote™ Electrical Coating



Scotchkote™ Electrical Coating provides vinyl tapes with an extra oil, moisture and corrosion-resistant layer of flexible coating for problem areas. A fast drying sealant and bonding compound, in a brush top can for quick & easy application.

Part No.	Description	1	5	10
647074CB	4 fl. oz. can	$9.75	$8.55	$8.10

3M Super Glue Gel



3M™ Super Glue Gel quickly repairs glass, china, jewelry, balsa wood, rubber and rigid plastic. It forms a strong bond, fills small gaps better than non-gels, and the gel formula lasts longer in the tube.

Part No.	Description	1	10	25
645837CB	2 gram tube	$1.99	$1.89	$1.79

3M Super Adhesive Glue



Scotch® Super Strength Adhesive is an industrial strength adhesive for most household repairs. Forms a nearly invisible bond that offers versatility and a strong grip. Resists heat, water, oil and grease. Bonds glass, metal, porcelain, plastics and many other types of materials.

Part No.	Description	1	10	25
645845CB	30ml tube	$4.99	$4.59	$4.19

30-Day Money-Back Guarantee

Details on page 305.

3M Super 77 Spray Adhesive



High tack, high coverage and fast drying for permanently attaching foils, carpeting, paper, cardboard, felt and cloth to painted or unpainted metals, wood and hardboard.

Part No.	Description	1	5	10
645870CB	10 oz. aerosol can	$8.95	$8.49	$8.09

3M Citrus Base Cleaner



A citrus oil based cleaner which can dissolve and flush away dirt, grease, tar, most non-curing type adhesive films, and similar substances. Emulsifies when flushed with water.

Part No.	Description	1	5	10
647040CB	24 oz. can	$19.95	$18.49	$17.49

3M 5-Way Penetrant



Multi-purpose product that is effective as a demoisturant – displaces moisture and "dries out" electrical apparatus. Inhibits rust – spreads a thin, even film that actually penetrates the pores of the surface to inhibit rust and corrosion. Penetrant – frees rusted, frozen bolts, nuts, etc. Lubricant – for delicate machines or precision instruments.

Part No.	Description	1	10	25
645888CB	24 fl. oz. aerosol can	$14.49	$12.87	$11.56

3M Respirator Mask



3M™ Particulate Respirator 8511 is 3M recommended for sanding and working with fiberglass insulation and drywall sanding. 3M™ Cool Flow™ Exhalation Valve allows easy exhalation and heat reduction, which provides cool, dry comfort. NIOSH appoval: N95.

Part No.	Description	1	10	25
645968CB	Respirator mask	$7.69	$6.79	$6.10

3M Home Dust Mask



Lightweight, disposable masks offer relief from irritating effects of common household dusts. Patented filter media is greater than 90% efficient for particles of all sizes. Contour-fit, soft metal nosepiece adjusts closely over the bridge of the nose.

Part No.	Description	1	10	25
645950CB	5 pack	$4.49	$3.99	$3.59

3M Lens Cleaning Cloth



Ribbon-shaped fibers lift dirt and grease instead of rolling over it. Dirt and particles are trapped within knitted tufts of the fibers. Rows and rows of tufts and valleys trap large and small particles.

• Material: polyester/nylon • Size: 7" x 6"

Part No.	Description	1	10	25
645896CB	Cleaning cloth	$2.69	$2.38	$2.14

Electro Design

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Solderless Breadboards

JAMECO ValuePro

The screen-printed color coordinates are suitable for many types of digital and analog prototyping and circuit design. Larger models feature a heavy-duty aluminum backing with binding posts. Use Jameco's AC/DC breadboard power supply, P/N 77681CB (pg 293).

A Jameco EXCLUSIVE

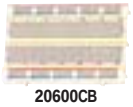
- Accepts most electronic components, including integrated circuits and transistors for digital and/or analog circuitry • 0.1" hole spacing
- Pins are identified by numbered rows and columns
- Ideal for high frequency and low noise circuits
- One-year warranty * WBU5 and JE series do not interconnect


20757CB


20773CB


20790CB


20811CB


20600CB


136901CB

94457CB


20669CB


20722CB


421315CB

Attention Educators! Buy jumper wire (pg 293) in bulk and SAVE! (see Hook-up Wire on page 100)

WBU5 Series Key Features:
- Horizontal assembly corresponds to the operation flow design of the PC boards for handy operation
- Round hole design makes the electric connection better
- Formed with V-shaped cross-sectional groove, which allows DIP IC pins to be inserted across two parts and to increase the rate of utilization due to small pitch
- Dovetail protrusions and recesses designed to connect two adjacent parts tightly together

JE Series Key Features:
- Use to breadboard and debug circuit designs
- Low static, plastic body – CMOS safe
- Nickel-plated clips designed to withstand up to 5,000 insertion cycles
- Breadboard strips connect together to form larger working areas
- Components are easily interconnected using 20-28 AWG wire (P/N 19289CB & 20079CB, pg 293)
- Some models feature heavy-duty aluminum backings (JE24, JE27, WBU504)

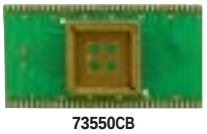
Part No.	Product No.	Terminal Strips	Bus Strips	Contact Points	Binding Posts	Breadboard Size L" x W"	Baseplate Size L" x W"	Weight (lbs.)	Pricing 1	10	50	100
94457CB	JE19⊕	0	1	100	0	6.5 x 0.4	—	0.04	$2.65	$2.39	$2.15	$1.95
20600CB	JE21⊕	1	2	400	0	3.3 x 2.1	—	0.13	5.25	4.73	4.25	3.83
20669CB	JE22⊕	1	0	630	0	6.5 x 1.4	—	0.20	6.35	5.69	5.19	4.55
194298CB	JE37⊕	1	2	840	0	6.9 x 2.4	—	0.25	9.95	8.95	7.95	7.25
194255CB	JE38⊕	1	2	970	4	2.9 x 5.6	4.9 x 6.3	0.50	11.95	11.66	10.49	9.44
20722CB	JE23⊕	1	2	830	0	6.5 x 4.0	6.5 x 2.1	0.30	9.39	8.45	7.61	6.85
194271CB	JE34⊕	2	3	1,560	3	6.5 x 4.0	8.5 x 4.7	0.73	15.95	14.36	11.48	11.04
20757CB	JE24⊕	2	1	1,360	2	6.5 x 3.1	8.5 x 4.0	0.60	13.65	12.28	11.06	9.95
136901CB	WBU504⊕*	2	3	1,855	4	5.5 x 5.5	7.4 x 6.3	0.90	22.99	20.99	18.99	16.99
20773CB	JE25⊕	2	4	1,660	3	6.5 x 4.3	8.5 x 5.1	0.80	19.95	17.95	16.16	14.54
20790CB	JE26⊕	3	5	2,390	4	6.9 x 5.8	9.1 x 6.9	1.10	27.29	24.56	22.10	19.89
20811CB	JE27⊕	4	7	3,220	4	7.3 x 7.5	9.5 x 8.3	1.40	33.59	30.23	27.21	24.49

Great Savings on Breadboard Test Leads

Part No.	Description	1	10	25
421315CB	Breadboard pin to breadboard pin test leads (20 pk), 4 each color-coded (red, yellow, blue, black, white), 20 AWG wire, 7"L (15cm)⊕	$12.95	$11.69	$10.49

PLCC Prototype Adapters

PLCC socket mounted on a circuit board for easy wire wrap or design prototyping. Solder masked PCB with 0.25" long leads.

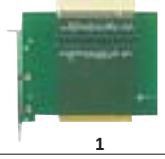

73550CB

- PCB construction • Gold-plated round pins
- Silkscreen numbers identify pin numbers in groups of 5 and 10 • Tin-plated PLCC connector
- PLCC socket identifies pin 1 and orientation key
- PLCC socket slotted for PLCC chip remover

Part No.	Pins	Size (L x W)	1	10	100
73541CB	⊕44	2.3" x 1.6"	$11.95	$10.79	$9.69
73550CB	⊕68	3.4" x 1.6"	15.95	13.56	10.17
73568CB	⊕84	4.3" x 1.9"	23.95	21.59	19.45

PCI-Bus Extender Card

- PCI bus
- Extends life of motherboard connectors
- Gold-plated fingers for long life
- Size: 5.9"L x 5.4"W



Part No.	Description	1	10
141381CB	PCI-bus extender card	$74.95	$67.49

PCI-Bus Prototype Board

- All plated through holes
- 0.1" hole spacing
- 50 Mil power and ground grids
- Provision for wire wrap and bypass caps
- Impedance matched to bus specifications
- Easy access to every signal on the bus
- Size: 12.4"L x 5.0"W • Weight: 0.6 lbs.

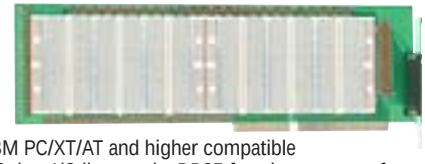

SALE

Part No.	Description	1	10
141372CB	PCI prototype bus board	$58.29	$52.97

Save Big! Special Values!

New Lower Prices = Orange
Sale Priced Items = Yellow
Quantity Discount = Green

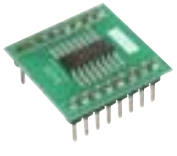
8/16-Bit ISA Solderless Plug-In Breadboard



- IBM PC/XT/AT and higher compatible
- 62 data I/O lines and a DB25 female connector for interfacing to peripherals
- Twenty-four 14-pin IC capacity
- Clearly labeled bus lines
- 2,352 contact points
- Durable construction • One-year warranty
- Size: 13.8"L x 5.0"W • Weight: 1.0 lb.

Part No.	Description	1	10	25
81672CB	8/16-bit breadboard	$59.95	$53.95	$47.95

For Jameco's Surface Mount Prototyping Boards
See page 296



RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Wire Jumper Kit (350 pcs.)

- 25 each 0.1" to 5.0" lengths (14 sizes)
- 350 assorted lengths in 13 colors
- Pre-stripped/preformed 22 AWG solid wire jumpers



19289CB

19289CB: 350-piece wire jumper kit
- Handy, durable, clear plastic case

20079CB: 350-piece refill for 19289CB
- Case not included

Part No.	Description	1	10	50	100
19289CB	Wire jumper kit ⊕	$15.95	$14.39	$12.95	$11.65
20079CB	Refill for 19289CB ⊕	10.99	9.89	8.90	8.01

Reinforced Jumper Wires

- 24 AWG-300 volts
- Reinforced pin ends for durability
- 10 pack assortment: 2 each yellow, white, red, black & blue



126341CB

Part No.	Mfr. Part No.	Length (mm / inch)	1	10	100
126359CB	JW50 ⊕	50 / 1.97	$3.95	$3.49	$2.95
126341CB	JW100 ⊕	100 / 3.94	4.95	4.49	4.05
126324CB	JW200 ⊕	200 / 7.87	5.19	4.69	4.25

Resistance and Capacitance Decade Substitution Boxes

Wide-range decade substitution boxes for product design or calibration checks.

EXTECH INSTRUMENTS

- Light durable construction
- Case may be grounded separately
- Three binding posts permit isolated substitutions
- Size: 4.7"W x 5.7"H x 1.4"D
- Weight: 0.7 lbs.



211668CB

211668CB:
- 1% resistance substitution from 1Ω to 11.111110MΩ
- 7 decade ranges of resistance
- Values can be changed in 1Ω increments



211676CB

211676CB:
- 5% capacitance substitution from 100pF to 11,111µF
- 5 decade ranges of capacitance

Part No.	Description	1	10
211668CB	Resistance	$98.95	$93.95
211676CB	Capacitance	128.95	122.45

We're Listening to What You Need

Let us know how we can better serve your electronics needs. Please send your requests to NewProducts@Jameco.com.

Digital/Analog Design Labs

- Two 7-segment displays (digit height: 0.3")
- One-year warranty

Solderless Breadboard
- Interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies
- DC supplies equipped with short circuit protection
- Variable DC power: 0 to +15V & 0 to -15V @ 0.5A

Function Generator (5 ranges)
- Frequency ranges: 1Hz–10Hz, 10Hz–100Hz, 100Hz–1kHz, 1kHz–10kHz, 10kHz–100kHz
- Sine wave output: 0–8 Vp-p variable • Triangle wave output: 6Vp-p fixed • Square wave output: ±5V fixed

Our most popular digital lab!



International 115/220VAC Switchable

75838CB



201890CB

Part No.	Tie Points	Fixed Power Supply	Pulse Generator	Frequency Counter	Multimeter	Includes
75838CB	1580	±5VDC @ 1.0A	No	No	DCV (Digital)	Power cord, manual
201890CB	2960	±5VDC @ 0.5A	1Hz to 1MHz switchable	Yes	ACV, DCV, DCmA, resistance (analog)	Power cord, enclosed case, test lead, jumper wire kit, DB25 serial adapter, manual

Part No.	Description	Size (W" x D" x H")	Weight (lbs.)	1	10	25
75838CB	Digital lab ⊕	10.6 x 13.3 x 5.0	8.1	$276.95	$249.95	$226.95
201890CB	Digital/analog lab ⊕	13.9 x 12.8 x 4.9 (back panel)	11.8	429.95	365.46	305.56

Digital/Analog Design Lab

Solderless Breadboard
- 2712 interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies
- Variable DC output: 0 to +15V & 0 to -15V @ 500mA
  Fixed DC output: +5VDC @ 1A; -5VDC @ 300mA
- Input power: 120/220VAC @ 50-60Hz (switchable)



International 120/220VAC Switchable

Function Generator • Frequency ranges: 1Hz–10Hz, 10Hz–100Hz, 100Hz–1kHz, 1kHz–10kHz, 10kHz–100kHz
• Sine wave output: 0–8 Vpp variable • Triangle wave output: 0–6 Vpp variable • Square wave output: 0–8 Vpp variable

Other features:
- 2 variable resistors: VR1=1kΩ, VR2=100kΩ • 8 data switches • 2.5" dia. 8Ω, 25W speaker
- 2 pulse switches (2 sets of outputs: $\overline{A}$, A, $\overline{B}$, B) • 2 banana sockets, 2 BNC jacks • One-year warranty
- Two 7-segment LED displays (digit height: 0.3") • 8 red LEDs with separate input terminals

Includes: Power cord and manual

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	10	25
136266CB	Digital/analog lab ⊕	12.8 x 9.8 x 3.7	8.5	$379.95	$341.99	$307.79
319214CB	Replacement breadboard ⊕	6.7 x 6.5 x 0.4	0.5	24.45	22.28	21.16

Powered Project Board

- Solderless breadboard with 2420 tie points
- DC power supplies: +5V @ 1A; variable power 0 to +15VDC and 0 to -15VDC @ 500mA
- Back panel has ground terminal
- Outputs are short-circuit protected
- Edge plate for non-DIP size components
- Input power: 120/220VAC @ 50-60Hz (switchable)
- Replacement fuse: P/N 103907CB, pg 89
- Power switch with light
- Breadboard size: 7.4"L x 6.8"W
- Enclosure size: 9.8"L x 8.0"W x 2.6"H
- Weight: 6.8 lbs. • One-year warranty



International 120/220VAC Switchable

Includes: Power cord

Part No.	Description	1	10	25
136258CB	Powered breadboard ⊕	$99.95	$89.95	$87.95

AC/DC Power Supply

Ideal for Breadboards on previous page



International 120/220VAC Switchable

Output Specifications:
+5VDC @ 1A;
-5V @ 300mA fixed;
0 to +15VDC @ 500mA variable;
0 to - 15VDC @ 300mA variable;
12-6-0-6-12 tapped VAC, 300mA fixed

With built-in short-proof regulated power supplies.
- Input power: 120/220VAC @ 50-60Hz (switchable)
- Indicator lamps and power fuses
- Just plug in and start to use
- Compact & lightweight
- For both digital and analog circuits
- Compatible with test leads P/N 77841CB, pg 274
- Size: 7.4"W x 5.5"D x 2.6"H • Color: beige
- Weight: 5.5 lbs. • One-year warranty

Part No.	Description	1	10	25
77681CB	Power supply ⊕	$119.95	$109.95	$99.95



See pages 268 – 270 for Jameco's complete selection of Benchtop Power Supplies.



General Purpose Prototyping Boards

Select the prototype board that fits your needs from our comprehensive product listing. Prototyping boards with punched holes are convenient, economical tools for assembling circuit components and trying cost-effective alternatives to custom designs.

- 0.062" board thickness
- 0.08" pad size
- Plated through pads are double-sided
- 0.1" hole spacing
- PCB material epoxy glass


206578CB


21434CB

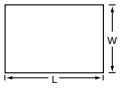

52943CB


21477CB

A Jameco EXCLUSIVE


106551CB

Board Outline



Circuit Patterns


A
Holes Only


B
Pad Per Hole


C
Power/Ground Perimeter Bus with Pad Per Hole


D
3 Hole Solder Pad and Bus

See PCB enclosures on pg 295, mounting hardware (recommend P/N 106551CB) below

Part No.	Cross Ref. Number	Size (W" x L")	Fits Enclosure(s) (see page 294)	Circuit Pattern	Hole Pads	# Holes x Dia. †	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Weight (lbs.)	Pricing 1	10	50	100
105099CB	2855PCB ⊕	1.60 x 2.70	18921CB	B	Single-sided	288 x .035"	None	None	2 x .115"	.02	$5.25	$4.73	$4.25	$3.83
105101CB	5002PCB ⊕	1.50 x 3.50	11957CB	C	Single-sided	365 x .038"	4	None	2 x .140"	.02	6.95	6.26	5.00	3.75
263185CB	PCB-403 ⊕	1.80 x 3.10	18921CB	B	Plated through	300 x .042"	None	None	4 x .115"	.03	6.95	6.25	5.63	5.09
105128CB	2853PCB ⊕	2.00 x 4.40	18913CB, 11965CB	C	Single-sided	669 x .038"	4	None	4 x .140"	.03	7.95	6.95	6.25	5.59
105110CB	2300PCB ⊕	2.40 x 3.40	11869CB	C	Single-sided	637 x .038"	4	None	2 x .140"	.03	7.95	6.95	6.25	5.59
263206CB	PCB-463 ⊕	2.40 x 4.10	N/A	B	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
28177CB	PCB1 ⊕	2.42 x 4.10	18913CB	C	Plated through	674 x .040"	None	None	4 x .120"	.04	5.95	5.35	4.79	4.29
263214CB	PCB-858 ⊕	2.50 x 4.50	18913CB	B	Plated through	640 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
105152CB	2851PCB ⊕	3.10 x 5.50	18892CB	C	Single-sided	1450 x .035"	7	None	4 x .140"	.07	9.95	8.95	7.95	6.95
263222CB	PCB-69 ⊕	3.30 x 3.70	N/A	B	Single-sided	900 x .042"	None	None	4 x .120"	.05	8.95	8.09	7.25	6.55
105136CB	2320PCB ⊕	3.30 x 4.50	11885CB	C	Single-sided	1266 x .035"	4	None	4 x .140"	.06	9.95	8.95	7.95	6.95
105161CB	2852PCB ⊕	3.60 x 7.00	18905CB, 11973CB	B	Single-sided	2225 x .035"	4	None	4 x .140"	.10	14.95	13.45	11.95	10.95
206586CB	2746APCB ⊕	4.30 x 6.80	209349CB	C	Single-sided	2550 x .042"	5	None	4 x .140"	.07	10.95	9.86	8.87	7.98
21434CB	JE401(8001) ⊕	4.50 x 6.50	18868CB	B/D	Single-sided	2360 x .042"	2	None	None	.12	21.95	19.76	17.78	16.00
21451CB	JE405(8003) ⊕	4.50 x 6.50	18868CB	C	Single-sided	2360 x .042"	1	None	None	.12	19.95	17.95	16.15	13.45
206578CB	2743APCB ⊕	4.60 x 4.30	208910CB	C	Single-sided	1684 x .042"	5	None	4 x .140"	.07	7.49	6.74	6.07	5.46
105179CB	2505PCB ⊕	5.00 x 6.50	11893CB, 18868CB	C	Single-sided	2829 x .035"	7	None	8 x .120"	.13	14.95	13.49	11.95	10.95
28193CB	PCB3 ⊕	5.00 x 8.00	18876CB	C	Plated through	3705 x .042"	4	Mounting area-I/O	4 x .120"	.17	21.95	19.76	17.78	16.22
21477CB	JE407(8006) ⊕	5.00 x 13.25	N/A	B	Plated through	6063 x .038"	None	None	8 x .120"	.28	41.19	37.07	29.66	22.24
206594CB	2747APCB ⊕	5.50 x 8.00	209357CB	C	Single-sided	3906 x .042"	5	None	4 x .140"	1.0	14.99	13.49	10.79	8.09
105187CB	2507PCB ⊕	6.10 x 8.80	18876CB	C	Single-sided	4771 x .035"	7	None	8 x .140"	.21	29.95	26.96	21.56	16.17
263231CB	PCB-7038 ⊕	8.30 x 11.9	N/A	B	Plated through	8819 x .042"	10	5	4 x .115"	.40	55.95	52.19	49.59	47.09
263249CB	PCB-6088 ⊕	9.20 x 13.0	N/A	B	Plated through	11,000 x .042"	10	None	13 x .115"	.50	55.95	52.19	49.59	47.09

Vector Products

43140CB	64P44XXXP ⊕	4.50 x 6.50*	18868CB	A	Drilled only	2860 x .042"	None	None	None	.09	$6.09	$6.06	$6.03	$6.01
52943CB	84P44WE ⊕	4.50 x 8.50	18876CB	A	Drilled only	3740 x .042"	None	None	None	.15	9.55	9.49	9.45	9.42
37604CB	169P44WE ⊕	4.50 x 17.0	N/A	A	Drilled only	7524 x .042"	None	None	None	.31	18.45	17.55	16.75	15.95
37612CB	169P44XXXP ⊕	4.50 x 17.0*	N/A	A	Drilled only	7524 x .042"	None	None	None	.25	11.25	11.19	11.14	11.08
37621CB	169P84WE ⊕	8.50 x 17.0	N/A	A	Drilled only	14,448 x .042"	None	None	None	.53	22.89	22.79	22.69	22.54
106551CB	20 pieces PC board mounting hardware (4 spacers, 8 screws and 8 washers) used with all above boards										1.79	1.65	1.45	1.35

* PCB material: phenolic † All 0.042" diameter hole boards use terminals T44, T49, and T421 (see below)

Wire Wrap and Push-In Terminals

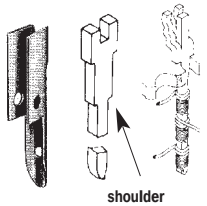
For .042" Diameter Holes

Specifications:
- Material: copper alloy
- Prebagged 100 pcs.

34147CB: Push-In Micro-Klip Terminals
- Overall length: .36"
- Post size: .032" x .045"

34155CB: Miniwrap Wiring Terminals
- Shoulder: .045"
- Two-prong with square tail for wire wrapping
- Overall length: .69"
- Post size: .025"Sq.

34163CB: Klipwrap Wiring Terminals
- Shoulder: .045"
- Three-prong with square tail for wire wrapping
- Overall length: .83"
- Post size: .025"Sq.



34147CB 34155CB 34163CB

Part Number	Product Number	Height Above .062" Board	Length Below .062" Board	100 pc. units 1	10
34147CB	T421 ⊕	.200	.097	$7.29	$6.95
34155CB	T44 ⊕	.065	.530	8.45	6.97
34163CB	T49 ⊕	.200	.530	11.89	11.19

Copper-Plated Blank Circuit Boards

Ideal for hobbyists and students doing prototypes of circuits. Copper plating on board for either single-sided or double-sided boards.
- 1.6mm thickness

Lower $$$


Fig. 1


Fig. 2

Fig. 3

A Jameco EXCLUSIVE

Part No.	Cross Ref. No.	Size (L" x W")	Fig.	Wt. (lbs.)	1	10	50
Single-Sided							
169279CB	PCBS3X6 ⊕	3.0 x 6.0	3	0.1	$3.49	$3.15	$2.85
169287CB	PCBS6X6 ⊕	6.0 x 6.0	2	0.2	4.95	4.49	3.95
169295CB	PCBS12X12 ⊕	12.0 x 12.0	1	0.5	13.49	12.14	10.93
Double-Sided							
169308CB	PCBD3X6 ⊕	3.0 x 6.0	3	0.1	$5.25	$4.73	$4.25
169316CB	PCBD6X6 ⊕	6.0 x 6.0	2	0.2	7.95	7.15	6.45
169324CB	PCBD12X12 ⊕	12.0 x 12.0	1	0.7	17.95	15.95	14.49

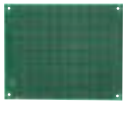
PT Series Prototyping Boards

NEW

Designed to accommodate any mixture of 0.3" to 0.6" wide IC's with any number of pins, as well as any combination of resistors, capacitors, diodes, transistors, etc.
- 4 power buses that connect to a power jack (recommended P/Ns 101178CB, 101186CB & 265421CB, pg 148)

Part No.	Cross Ref. No.	Size	Hole Pads	# Holes x Dia.	# Mntg Holes x Dia.	1	5	10
645677CB	PT-35X25	3.5"L x 2.5"W	Double-sided	456 x .036"	4 x .140"	$17.75	$16.85	$16.45
262511CB	PT-5X37	5"L x 3.7"W	Double-sided	1135 x .036"	4 x .140"	24.75	22.95	21.79
262537CB	PT-6X49	6"L x 4.9"W	Double-sided	1931 x .036"	4 x .140"	32.49	30.89	29.35


262511CB


262537CB


645677CB

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

JAMECO ValuePro

The prototype builder boards on pg 294 are designed to fit into our ABS plastic and aluminum enclosures, metal cabinets and heavy-duty instrument cases. The pre-cut boards have 2 or 4 mounting holes compatible with the PC board mounting hardware listed on pg 294 (P/N 106551CB).

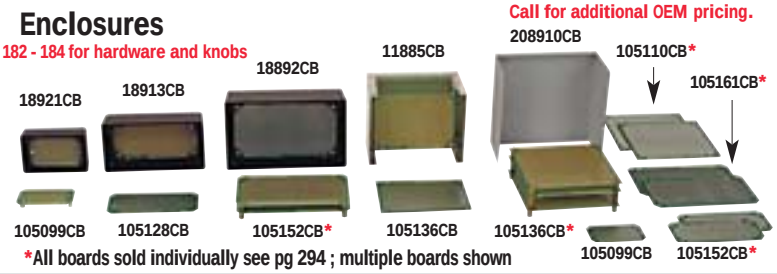
Board description: Laminated glass epoxy 1/16" thick fire retardant per FR-4 specs. Copper-clad and solder mask one side. Drilled holes: .035" diameter on .080" square pad. Pads spaced on .10" x .10" grid.

Enclosures

See pages 182 - 184 for hardware and knobs

Call for additional OEM pricing.

A Jameco EXCLUSIVE



*All boards sold individually see pg 294 ; multiple boards shown

ABS Plastic Enclosures

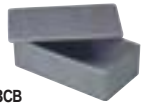
Lid has a lip for precision fit (adds 0.4" height). Complete with four screws and lid. All sizes below are for interior dimensions.



Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
18921CB	H2855 ⊕	3.1" x 2.0" x 0.9"	0.1	$3.15	$2.84	$2.55	$2.30
18913CB	H2853 ⊕	4.9" x 2.5" x 1.5"	0.2	3.69	3.32	2.99	2.69
18892CB	H2851 ⊕	6.0" x 3.5" x 1.9"	0.4	4.79	4.31	3.88	3.49
18905CB	H2852 ⊕	7.5" x 4.3" x 2.3"	0.5	6.89	6.20	5.58	5.02

Die-Cast Aluminum Enclosures

Ideal for RF circuits. Made from aluminum, an excellent heat-sink, these cases are great for high temp circuits (up to 600°C). Complete with screws.



Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
11957CB	B5002 ⊕	3.9" x 2.0" x 1.0"	0.2	$5.95	$5.39	$4.85	$4.35
11965CB	B5004 ⊕	4.7" x 2.4" x 1.6"	0.4	8.49	7.64	6.88	6.19
11973CB	B5006 ⊕	7.5" x 4.3" x 2.4"	1.2	13.95	12.56	11.30	10.17

Aluminum Enclosures

Quantity SAVE

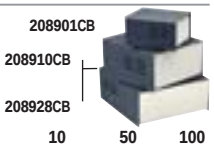
Put them in an economical aluminum enclosure. The enclosure comes in two pieces which slide together.



Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
11869CB	B2300 ⊕	4.0" x 2.0" x 2.8"	0.2	$5.45	$4.90	$3.92	$2.94
11885CB	B2320 ⊕	5.0" x 4.0" x 3.0"	0.4	7.89	7.10	5.68	4.26
11893CB	B2335 ⊕	7.0" x 6.2" x 4.6"	0.8	10.95	9.86	7.88	5.91

Metal Enclosures

- Mounting screws and rubber feet included
- Glossy black textured steel top cover and ivory aluminum base



Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
208901CB	B2741A ⊕	4.0" x 3.3" x 2.2"	0.4	$6.49	$5.89	$5.29	$4.69
208910CB	B2743A ⊕	5.9" x 5.3" x 3.0"	0.8	7.99	7.19	6.49	5.89
208928CB	B2744A ⊕	7.3" x 6.3" x 2.8"	1.1	8.99	8.09	7.28	6.55
209349CB	B2746A ⊕	6.3" x 7.8" x 2.5"	0.9	12.35	11.12	10.00	9.00
209357CB	B2747A ⊕	7.5" x 9.8" x 3.2"	1.4	14.99	13.49	12.14	10.93

ABS Heavy-Duty Instrument Cases

P/N 18876CB includes ventilation and speaker sound slots. • Color: gray



Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
18868CB	H2505 ⊕	7.9" x 6.3" x 2.5"	0.8	$7.89	$7.10	$6.39	$5.75
18876CB	H2507 ⊕	10.0" x 7.5" x 3.1"	1.4	8.99	7.99	7.28	6.55

ABS Enclosures w/ Clear Tops

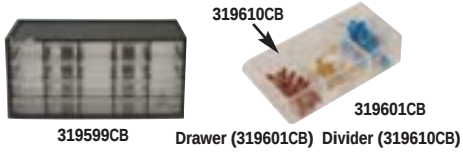
Includes screws for mounting boards or electronic components, rubber gasket for a tight seal on your equipment & drilled holes for mounting.



Part No.	Cross Ref. No.	Size (L x W x D)	Wt. (lbs.)	1	10	50	100
141831CB	203C1 ⊕	4.6" x 3.2" x 1.8"	0.3	$8.95	$8.09	$7.25	$6.55
141840CB	203D1 ⊕	6.3" x 3.2" x 1.8"	0.4	9.95	8.99	8.09	7.25
141858CB	203F1 ⊕	7.0" x 5.5" x 2.5"	0.8	11.95	10.79	9.69	8.69

JAMECO ValuePro

Component Cabinet



- Drawer can be divided into 3 sections (clear)
- Wall mountable cabinet (ABS black)
- Cabinet size: 6.0"D x 14.7"W x 7.4"H
- Weight: 2.8 lbs.

319601CB: 5.5"L x 2.7"W x 1.5"H
319610CB: 2.5"W x 1.2"H
85454CB: 5.5"L x 2.7"W x 1.5"H
85446CB: 2.4"L x 1.1"H

A Jameco EXCLUSIVE

Includes: 20 clear plastic drawers, 20 dividers and 30 adhesive I.D. labels

✳ **Prepackaged: order in increments of 10 or 50**

Part No.	Description	1	10	50
319599CB	Component cabinet ⊕	$15.95	$13.95	$12.49
319601CB	Drawer for cabinet ⊕	.39	.35	.294
319610CB	Divider for cabinet ⊕ ✳	.19	.17	
85454CB	Drawer for P/N 81701	.39	.35	.29
85446CB	Divider for P/N 81701 ✳	.19	.17	

Our knowledgeable Tech Support Department is ready to answer your questions. Just call us! 1-800-831-4242

JAMECO ValuePro

Plastic Fliptop Boxes

- Clear plastic box with a clear plastic lid and removable dividers

100255CB: Size: 8.4"L x 4.5"W x 1.4"H
- 18 compartments (1.4" x 1.5" each)

148902CB: Size: 10.2"L x 4.7"W x 1.6"H
- 12 compartments (1.7" x 2.3" each)



Part No.	Description	1	10	100
100255CB	18 compartments ⊕	$2.25	$1.95	$1.75
148902CB	12 compartments ⊕	3.95	3.49	2.95

JAMECO ValuePro

Plastic Fliptop Case for SMDs

A Jameco EXCLUSIVE



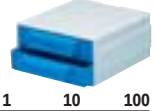
- 128 compartments • Color: gray
- 8 rows x 16 columns grid
- Fliptop openings on each bin
- Padded cover locks bins closed
- Perfect match to store P/N 156881CB SMD resistor assortment, pg 79
- Weight: 1.4 lbs. • Size: 11.0"L x 8.3"W x 1.7"Thick

Includes: Labels for each bin

Part No.	Description	1	10
164267CB	SMD fliptop case ⊕	$49.95	$44.99

JAMECO ValuePro

Stackable Drawers

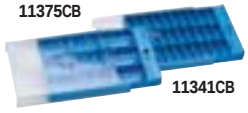


- Case size: 4.5"L x 4.4"W x 2.3"H
- Drawer size: 4.4"L x 4.0"W x 0.9"H
- Color: blue/white

Part No.	Description	1	10	100
11906CB	Case/drawers ⊕	$1.85	$1.68	$1.53

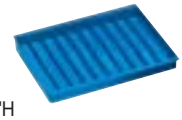
Bug Boxes

- Anti-static plastic
- Fits in bug cage (P/N 11332CB, below)
- Box size: 4.9"L x 3.3"W x 0.6"H
- **11341CB:** stores sixty 8-pin or thirty 16-pin DIPs
- **11375CB:** Designed to store all types of components



Part No.	Description	1	10	100
11341CB	30 compartments ⊕	$3.95	$3.49	$3.15
11375CB	3 compart./6 vertical & 6 horizontal dividers ⊕	3.95	3.56	3.20

Bug Tray



- Fits in bug cage (P/N 11332CB, below)
- 10 compartments 3.2"L x 0.4"W x 0.4"H ea.
- Tray size: 4.8"L x 3.6"W x 0.5"H

Part No.	Description	1	10	100
11800CB	Divided bug tray ⊕	$3.19	$2.87	$2.58

Bug Cage



- Holds bug boxes or trays
- Modular and interlocking
- Color: blue • Wt.: 0.7 lbs.
- Case size: 5.0"L x 3.9"W x 5.1"H

Boxes/Trays not included

Part No.	Description	1	10	100
11332CB	Bug cage ⊕	$7.49	$6.74	$6.07

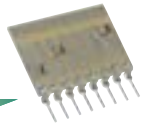
Electro Design

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Surfboards®

SOT-23 3-MM 4-MM 0805, 1206 STRADDLE

Ideal for Prototyping!



207407CB

Mini Breadboards for Surface Mount Devices

6000/6100 Series for Discrete Devices

- Universal large foil pattern areas accept a wide range of device footprints or can be modified to accept new footprints
- 0.1" pin spacing • Height: 0.5"

✪ Blue P/N = Limited Quantity Available

Part No.	Product No.	Pins	Width	1	10
207423CB	6103	3	0.3"	$1.39	$1.19
207407CB	6008 ✪	8	0.8"	2.29	1.99
207415CB	6010	10	1.0"	2.59	2.29

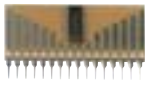
9000 Series for ICs

- Adapt SMD to thru-hole
- Size: 1.20"W x 0.65"H

207378CB/207394CB: 0.1" pin spacing



207360CB



207394CB

Part No.	Product No.	1	10
207360CB	9081 (For 8-pin SOIC) ⊕	$1.35	$1.22
207378CB	9082 (For 8-pin SOIC) ⊕	3.55	3.10
207386CB	9161 (For 14/16-pin SOIC) ⊕	1.75	1.50
207394CB	9163 (For 14/16-pin SOIC) ⊕	5.45	4.79

Application Specific Adapters



207589CB

33000 series SURFBOARDS® convert SMD component footprints to SIP format. Compatible with conventional and solderless breadboards & sockets (.100" center pins).

Part No.	Product No.	Accepted Devices	Pins	1	10
207589CB	33205	SOT-23-5/SC59-5 SALE	5	$1.35	$1.18
207597CB	33206	SOT-23-6/SOT-23-L/SC-59-6/TSOP-6 ⊕	6	1.95	1.69

CHIPQUIK SMD 2000 Removal System

Complete Solder/Desolder Rework Kit



- Removal alloy, solder paste, 3' solder, paste flux, liquid flux remover/cleaner, handi vac, 2 acid brushes, precision tweezers, six 4" x 4" cleaning wipes, 10 swabs, 6 alcohol pads, SMD removal/clean up instructions, stainless steel probe kit & 5' solder wick

SALE

Part No.	Description	1	10
208055CB	SMD 2000 removal system ⊕	$94.95	$85.46

CHIPQUIK SMD Removal Kit

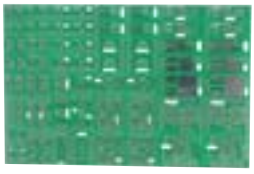


- Quick and easy to use
- Potential damage to printed circuit boards is eliminated
- 2.5' of CHIPQUIK® material removes 1250-1500 SMD pins
- Uses simple equipment and materials for application & clean-up

Part No.	Description	1	10
141305CB	SMD removal kit ⊕	$24.95	$22.45

BELLIN DYNAMIC SYSTEMS, INC.

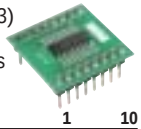
Surface Mount Proto Boards



215491CB

Prototyping SMT circuit boards has been tedious and time-consuming because surface mount devices are so small. Now there is an easy, cost-effective and versatile Snap-Apart solution from Bellin Dynamic Systems.

- Quality silk-screened and solder-masked boards
- V-groove scoring between elements for smooth straight edges
- Compatible w/ .100" single or dual row male headers (see pg 133)
- Size: 7.6"L x 5.0"W • Board thickness: 0.031"
- See our website (www.Jameco.com) for additional specifications



Small SMT

Part No.	Prod. No.	Description	1	10
215491CB	B502	160 SMT pattern, SOT/SOIC/TSOP/MSOP/DPAK & more	$45.95	$41.35
227344CB	B513	300 SMT pattern, SC90, SOT23-6, 323-6, TSOP, MSOP8, 10+	45.95	41.35

SOIC

215520CB	B505	60 SOIC SMT pattern, SOIC 8, 14, 16, 24, 32, 40 & more	$45.95	$41.95
227310CB	B510	140 SMT pattern, SOIC 8 to DIP .300" width	45.95	41.35
227328CB	B511	63 SMT pattern, SOIC nrw/wd 8, 14, 16, 18. 20 to DIP .300"	45.95	41.35
227352CB	B514	72 SMT pattern, SOIC narrow 8, 14, 16, 18. 20 to DIP .300"	45.95	41.35
227361CB	B515	30 SMT pattern, SOIC 24, 28, 32 to DIP .600" width	45.95	41.35

Fine Pitch Dual Row

215503CB	B503	34 SMT pattern, SOIC/QSOP/TSOP/MSOP/TSSOP & more	$45.95	$41.35
227281CB	B507	40 SMT pattern, SSOP/TSSOP 16, 20, 32, 40 & more	45.95	41.35
323889CB	B516	54 SMT pattern, 0.65mm TSSOP 14/16/20/28 to DIP 0.300/0.600	62.49	56.25
323900CB	B517	18 SMT pattern, 0.65/0.5/0.4mm TSSOP-48 to DIP 0.600	62.49	56.25

Quad

215511CB	B504	25 SMT pattern, QFP32, 44, 48, 52, 54, 64, 70, 80, 100 PLCC18, 20, 28, 32, 44	$45.95	$41.35
227336CB	B512	24 SMT pattern, PLCC18, 20, 22, 28, 32, 44, 52, 68, 84 & 100	41.39	33.11
323918CB	B518	2 SMT 0.65mm or 0.8mm pitch, universal QFT adaptor for QFP32/40/48/56/64 (by 8-pin increments to 256 pins)	59.95	53.95
323926CB	B519	2 SMT 0.4mm or 0.5mm pitch, universal QFT adaptor for QFP32/40/48/56/64 (by 8-pin increments to 256 pins)	59.95	53.95
336479CB	B530	8 SMT, 0.65/0.80mm QFP/MLF 8 - 80 pins (even # of pins/side)	43.65	41.45
336487CB	B531	8 SMT, 0.65/0.80mm QFP/MLF 4 - 76 pins (odd # of pins/side)	43.65	41.45
336495CB	B532	8 SMT, 0.40/0.50mm QFP/MLF 8 - 80 pins (even # of pins/side)	43.65	41.45
336508CB	B533	8 SMT, 0.40/0.50mm QFP/MLF 4 - 76 pins (odd # of pins/side)	43.65	41.45

PCB Connector (0.062" thick through-hole)

227272CB	B506	45 SMT pattern, USB A, B/1394/RJ11, 12, 45/DB9 PCB conn.	$45.95	$41.35

PitchStick™



227299CB

227299CB	B508	20 SMT pattern, 48 inline pads, metric/rare pitches	$45.95	$41.35
227301CB	B509	20 SMT pattern, 48 inline pads, 50 & 25 mil pitches	41.39	31.00

See pages 11-13 & 275 for more prototyping boards.

JAMECO ValuePro

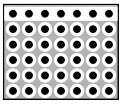
ISA Printed Circuit Prototyping Boards

A Jameco EXCLUSIVE

Printed circuit prototyping boards for virtually any application – including those requiring high component densities and solder or wire wrap connections. All boards are manufactured to precise standards and specifications. All bus and circuit patterns are solder-coated for user convenience.

- Edge contacts: gold

Circuit Pattern



Power/Ground Perimeter Bus with Pad Per Hole



21531CB



28206CB

Part No.	Cross Ref. No.	Description	Size (Inches) W x L	Terminals (pg 294) T44	T49	T421	I/O Connector (not included)	Hole Pads	# Holes x Dia.	Power/ Ground Bus	# Mounting Holes x Dia.	Weight (lbs.)	Pricing 1	10	25
21531CB	JE417 ⊕	PC/XT 8-bit	4.2 x 6.50	yes	yes	yes	D-sub 9, 15, 25 & 37	Plated through	2126 x .042"	2	8 x .120"	.12	$19.95	$16.99	$14.65
28206CB	PCB4 ⊕	PC/XT/AT 16-bit	4.25 x 13.13	yes	yes	yes	D-sub 9, 15 & 25	Plated through	4890 x .042"	2	4 x .120"	.23	26.95	24.25	21.85

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

microEngineering Labs LAB-X1 Experimenter's Module Board



The LAB-X1 is a pre-assembled experimenter's platform. It provides an assembled testbed containing most of the circuitry commonly used with PICmicro microcontrollers (MCUs). Many different projects may be created using the LAB-X1, including calculator, voltmeter, LCD backpack, tone dialer, and RC servo controller.

- 40-pin ZIF socket for PICmicro MCU (not included, recommend PIC16F877-20/P, P/N 176882CB pg 6
- Reset button • 16 switch keypad • 3 potentiometers • LED bargraph
- 2 lines x 20 characters LCD module • Speaker • 2 RC servo connectors
- RS232 interface • Socket for RS485 interface (device not included)
- Socket for I2C & SPI serial EEPROM (device not included)
- Socket for Microwire serial EEPROM (device not included)
- Socket for real time clock/serial analog to digital converter (devices not included)
- EPIC in-circuit programming connector
- Prototyping area for additional circuit
- Wiring for microchip in-circuit debug connector
- Size: 5.5" x 5.6" • One-year warranty

Requires: AC adapter (below)

Part No.	Description	1	10
169113CB	LAB-X1 Experimenter Board	$199.95	$189.95
176903CB	LAB-X1 Experimenter Board Kit (unassembled)	139.95	132.95
176882CB	PIC16F877-20/P microcontroller (pg 6)	9.49	8.49
127976CB	AC adapter (details on page 216) ⊕	5.25	4.59

microEngineering Labs EPIC Plus PICmicro Programmer



The EPIC Plus Programmer quickly and easily programs the PIC12Cxxx, 12CExxx, 16C505, 16C55x, 6xx, 7xx, 84, 9xx, 16CE62x, 16F62X, 7x, 8x, 87x, 14C000, 17C7xx, 18Cxxx microcontrollers from Microchip. The basic programmer includes an 18-pin socket for programming 8, 14 and 18-pin PICmicro MCUs. Devices available separately on page 4.

- Simple installation with parallel port (printer) interface
- Command line operation for automated, non-interactive programming • PICmicro Assembler software included

Requires: Two 9V batteries or AC adapter (below)

Part No.	Description	1	10
132679CB	EPIC Plus PICmicro programmer	$59.95	$53.95
136397CB	8/18/20-pin ZIF adapter	34.95	31.95
132610CB	40/28-pin ZIF adapter	34.95	31.95
162317CB	AC wall adapter (16VDC/500mA, details on page 217) ⊕	8.75	7.65
67256CB	6' DB25 cable (details on page 104) ⊕	6.45	5.79

Developing Development Systems



Microchip's PIC microcontrollers offer embedded systems developers a lot of bang for the buck. Compilers and development boards are widely available, and there's a great base of software to grab from shared sites.

If you're thinking about more advanced development though, you may want to consider taking a second look at the many RabbitCore™ development environments available on pages 11-13. Now you can develop embedded applications with 100Base-T, GSM / GPRS, Wi-Fi, SSL, Flash plus analog and digital I / O on these development kits.

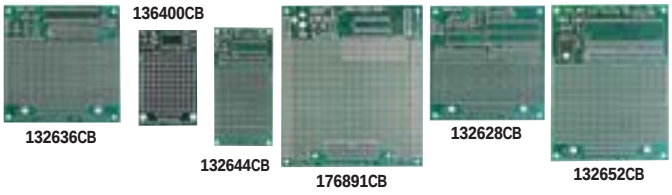
Extensive integrated features and glueless architecture facilitate rapid development with the provided C source code and compiler. Plus, pre-written royalty-free software libraries are provided, making these the best integrated development environments we've seen for fast embedded systems prototyping.

Practical Practices
Money Saving Tips for the Engineer

microEngineering Labs "PICProto" Prototyping Boards

- High quality blank prototyping boards for PICmicro microcontrollers
- Holds microcontroller, 5V regulator, oscillator, capacitors and DB9-25 connector
- Double-sided board with plated-through holes • Large prototyping area
- Solder mask on both sides makes soldering easy • Silkscreen legend

Includes: Documentation sheet with schematic, suggested parts and placement



PICProto 18, 18L: For all 18-pin PICs including PIC16C52, 54, 56, 58, 554, 558, 61, 620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83, and 84

Part No.	Description	Size (L" x W")	1	10
132644CB	PICProto 18	3.0 x 1.5	$9.95	$8.95
176891CB	PICProto 18L	3.6 x 4.1	19.95	17.95

PICProto 3: For the 28-pin PIC16C62, 63, 642, 66, 72, 76, 773, 16F73, 76, 870, 872, 873, 876, 18C242, and 252

132636CB	PICProto 3	3.0 x 3.0	$14.95	$13.49

PICProto 64: For the 40-pin PIC16C64, 65, 662, 67, 74, 77, 774, 16F74, 77, 871, 874, 18C422, and 452

132652CB	PICProto 64	4.0 x 3.0	$16.95	$14.95

PICProto 8: For all 8-pin PIC12Cxxx and 12CExxx

136400CB	PICProto 8	2.0 x 1.2	$8.95	$7.95

PICProto Dual: For 18-pin PIC16C52, 54, 56, 58, 554, 558, 61, 620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83, & 84, as well as 28-pin PIC16C55, & 57. Accepts standard 0.6" 28-pin device or 0.3" skinny DIP

132628CB	PICProto Dual 18/28	3.0 x 3.0 SALE	$12.95	$11.66

microEngineering Labs PICBasic and PICBasic Pro Compiler

PICBasic converts your BASIC programs into files that can be programmed directly into a PICmicro MCU.

- Compatible with most PICmicro MCU programmers including EPIC plus
- Use in DOS or Windows (includes Windows editor/DE software)
- I2C instructions to access external serial EEPROMs
- In-line assembler and call support

132661CB: PICBasic Compiler



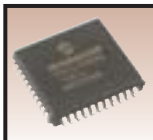
132661CB

- Expanded BASIC Stamp I compatible instruction set
- PEEK and POKE instructions to access any register from BASIC
- Serial speeds to 9600 baud
- Supports PC12C67x, PIC14Cxxx, PIC16C55x, 66x, 7xx, 84, 92x, and PIC16CF8xx microcontrollers
- May use up to 2k of code space

150543CB: PICBasic Pro Compiler

- Direct and library routine access to any pin or register
- Automation page boundary handling past 2k • Bit, byte, word arrays
- Real If…Then…Else…Endif • Hierarchical expression handling
- Interrupts in BASIC and assembler • BASIC Stamp I and II library
- Built-in LCD support • MPLAB/MPASM/ICE compatibility
- Supports 12C5xx, 12C67x, 12CE67x, 14C000, 16C5x, 16C55x, 6xx, 7xx, 84, 92x, 16CE62x, 16F62x, 7x, 8x, 87x, 17Cxxx, and 18Cxxx microcontrollers

Part No.	Description	1	10
132661CB	PICBasic compiler	$99.95	$89.95
150543CB	PICBasic Pro compiler	249.95	224.95



For Our Complete Selection of PIC Microcontrollers
See pages 4 – 6



For Development Kits
See pages 9 – 11

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

XELTEK 40-Pin Low-Cost Universal Programmer



- Supports 3400+ devices, including most E(E)PROM, Series E(E)PROM & FLASH
- Programs GALs, PEELs, PALCE, Microcontrollers, PIC16Cxx/17Cxx, COP87xx, and PSD3XX
- Tests TTL/CMOS Test, Memory Test, Vector Test, Test Pattern Edit, Auto Identify TTL/CMOS Device
- Features a universal ZIF socket that accepts up to 40 pins
- High-speed programming, cost-effective hardware and flexible software
- Load and save file in binary, Intel (extended) Hex, Motorola S or Tektronix (extended) Hex format. Multiple load, format conversion, relocation etc.
- HEX-ASCII Edit, Fuse Map Edit, Checksum, Swap, Vector Table edit
- Supports Windows® 9x/NT/2000/XP • Printer Port Interface
- Size: 7.8"L x 5.5"W x 0.8"H • Weight: 4.0 lbs.

Includes: Power adapter, parallel cable, user's guide and CD-ROM software

Part No.	Description	1	5
231183CB	SuperPro-Z universal programmer	$244.95	$232.69

XELTEK Ultra-Fast 48-Pin USB & Stand-Alone Universal Programmer



- Fastest low-cost programmer in the market; programs high-density FLASH memory at near theoretical minimum programming time: (Intel 28F320W18 – 1.8 volts 32Mbit at 18 sec.; 13 sec. for programming & 5 sec. for verifying)
- Standard universal 48 pin-drivers support devices down to 1.5 volts; optional 100-pin expander module
- Currently 21,600+ devices supported from 140+ manufacturers including memory, MCU, and PLD
- Supports: EPROM, Paged EPROM, Parallel/Serial EEPROM, FPGA Configuration Serial PROM, FLASH Memory (NOR and NAND), BPROM, NOVRAM, SPLD, CPLD, EPLD, Firmware HUB, Microcontroller, MCU, Standard Logic
- Reliable programming of low voltage devices down to 1.5 volts
- Three modes of operation are supported: standard PC hosted operation via USB, stand-alone operation for manufacturing or service and built-in terminal mode to operate via an external instrument
- Over-current/over-voltage protection for safety of the chip & programmer hardware
- Microsoft® Windows® 9x/NT/2000/XP compatible
- Size: 9.4"L x 5.9"W x 2.0"H • Weight: 5.0 lbs.

Includes: 12VDC @ 2.5A AC adapter, Program CD, USB Cable, user's guide

Part No.	Description	1	5
231221CB	SuperPro-3000U USB universal programmer	$989.95	$940.45

XELTEK SMD Adapters for SuperPro 280/680/3000


231247CB


231255CB

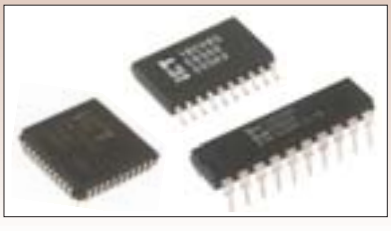

231263CB


231271CB

Part No.	Product No.	Description	1	5
231247CB	A008A	28-pin PLCC adapter	$84.95	$80.75
231255CB	A015A	32-pin PLCC adapter	94.95	90.25
231263CB	A244A	44-pin PLCC adapter	109.95	104.45
231271CB	A247A	48-pin TSOP adapter	174.95	166.25

See pages 12 – 14 for our complete selection of EPROMs and EEPROMs.





See pages 15 & 16 for PALs/GALs and Anachip PEEL™ PLDs.

Fast, Low-Cost Universal Device Programmer

Parallel Port Interface



- 5000+ device types supported
- Menu driven software
- Programs (E)EPROM, PROM, Serial PROM, PALCE, GAL, flash memory, microcontrollers, ATF
- On-board FPGA for speed; 4X faster than offshore brands
- Auto search device select function supports (E)EPROM and microcontrollers
- Device insertion test identifies improperly inserted device before programming
- Auto programming for production programming
- Read, blank check, program, verify, checksum, data compare, security, auto function

Includes: Parallel cable, wall adapter, diskette & manual

System Requirements: IBM PC, XT, AT, 386, 486, Pentium® or compatibles, DOS 2.11 or greater, Windows® 95/98/2000/NT/XP; hard disk, 512k RAM & parallel port

Part No.	Description	Socket	1	5
207731CB	CHIPMAX	40-pin ZIF	$349.95	$332.95

High-Speed Universal Device Programmer/Tester

Parallel Port Interface



- Programs Flash memory, PROM, EPROM/EEPROM, Serial (E)EPROM, Bipolar PROM, PAL, PALCE, GAL, NVRAM, PEEL, EPLD, SPLD, CPLD, PIC & Microcontrollers
- 8000+ device types supported
- Hardware diagnostic program examines all 48-pin drivers
- On-board FPGA for speed; 4X faster than offshore brands
- Tests TTL, CMOS, DRAM and Static RAM ICs
- Detects pin locations for poor or damaged contacts
- Current limiting protects hardware circuits from improperly inserted or defective chips
- Supports POF and JEDEC formats
- High-speed device function tests and user creatable test library
- Read, blank check, program, verify, checksum, data compare, security, auto (erase, blank check, program, verify), and option bit program function
- Built-in editor for both buffer date and test vectors • CE/CUL/CSA quality certified

Includes: Parallel cable, installation diskette, power cord and manual

System Requirements: IBM PC, XT, AT, 386, 486, Pentium®, hard drive, 512k RAM, Windows® 95/98/2000/NT, and parallel port

Part No.	Description	Socket	1	5
207765CB	TOPMAX	48-pin universal ZIF	$875.95	$681.86

Versatile, Production Quality Universal Programmers

Parallel Port Interface


207781CB

- 5000+ device types supported
- Supports EPROM, flash, microcontroller, Serial (E)EPROM, EPLD, PALCE, GAL, PEEL
- Auto search device select function
- Fast programming speed with IC vendor approved algorithms
- Built-in editor for both buffer date and test vectors
- Supports JEDEC, Intel Hex, Motorola S Records, Binary and ASCII file formats with File LOAD/SAVE command
- Built-in macro commands for programming

Includes: 01/02/03 personality modules, parallel cable, wall adapter, disk & manual

System requirements: IBM PC, XT, AT, 386, 486, Pentium®, hard disk, 512k RAM, standard parallel port, MS-DOS 2.11 or higher

SALE

Part No.	Description	Sockets	1	5
207773CB	MEGAMAX programmer	48-pin ZIF	$379.95	$349.95
207781CB	MEGAMAX4G prog.	48-pin ZIF (1)/32-pin ZIF (3)	399.95	379.95

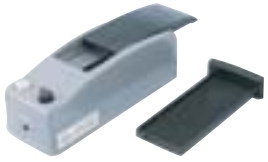
We're Listening to Your Requests

Email us 24/7 at NewProducts@Jameco.com with suggestions for products you'd like to see in future catalogs.

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

EPROM Eraser

HI-LO SYSTEMS



- Erases all UV erasable EPROMs (32-pin)
- Upper & lower erasing chambers hold a total of 16 EPROMs
- One-year warranty
- Conductive foam liner eliminates static build-up
- Size: 8.5"L x 2.8"W x 2.8"H
- Weight: 1.6 lbs.

Includes: AC adapter – 9VDC @ 600mA and a timer which turns eraser off at the end of the selected time period – 10 to 60 minutes

Part No.	Description	1	5
121267CB	EPROM eraser	$159.95	$143.95

EPROM Erasers and Accessories

UVP

66042CB: Erases 1 chip in 7 minutes

- Conductive foam liner eliminates static build-up
- UV intensity: 6.5mW/cm²
- One-year warranty
- Size: 6.8"L x 1.5"W x 2.3"H
- Weight: 0.8 lbs.



66042CB

Requires: Four AA batteries (not included), recommend P/N 244515CB (pg 228)

15712CB: Erases 1 chip in 15 min. or 8 chips in 21 min.

- Conductive foam liner eliminates static build-up
- Maintains constant exposure distance of 1"
- Built-in safety lock to prevent UV exposure
- Complete with holding tray for 8 chips
- UV intensity: 6.8mW/cm²
- Size: 9.0"L x 3.7"W x 2.6"H
- Weight: 2.3 lbs.



15712CB

Part No.	Description	1	5
66042CB	Portable eraser	$51.85	$49.95
15712CB	8-chip eraser	106.85	101.49
34382CB	Lamp for 15712CB	39.95	29.95
13864CB	Foam (12" x 24" x 0.25") ⊕	9.29	8.35

Flash Writer/Programmer with USB Interface

- Programs 8-bit FLASH serial ICs via USB cable on Windows® 9x/2000/XP
- High speed: Only 22 seconds to blank check, program, and verify MXIC MX29F040
- File formats supported: binary and machine code, Intel HEX, Motorola HEX, Tektronix
- Type, read, load, edit, checksum, erase, blank check, program, verify, protect functions
- Supports Flash EPROM, EPROM & EEPROM



Includes: USB cable, 12V @ 500mA adapter, CD-ROM software and manual

Part No.	Description	1	5
225947CB	Leaper 3D ⊕	$199.95	$179.95

EEPROM

Quantity SAVE

DIP SOIC

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
276584CB	24C00 ⊕	SOIC-8	16 x 8	Serial	$.32	$.27	$.20
276568CB	24C00 ⊕	DIP-8	16 x 8	Serial	.26	.22	.166
200627CB	24C44 ⊕	DIP-8	16 x 16	Serial CMOS	1.99	1.79	1.61
276955CB	93C46 ⊕	SOIC-8	64 x 16	3-wire serial	.39	.32	.24
102058CB	93C46 ⊕	DIP-8	64 x 16	Serial (5V)	.43	.32	.24
276592CB	24C01 ⊕	DIP-8	128 x 8	2-wire serial	.36	.30	.25
276621CB	24C01 ⊕	SOIC-8	128 x 8	2-wire serial	.29	.25	.18
368649CB	AT24C01A-10PI-2.7 ⊕	DIP-8	128 x 8	2-wire serial, 2.7V, I-temp.	.28	.20	.19
368711CB	AT24C01A-10SI-2.7 ⊕	SOIC-8	128 x 8	2-wire serial, 2.7V, I-temp.	.56	.481	.454
276971CB	93C56 ⊕	SOIC-8	128 x 16	3-wire serial	.54	.50	.41
108855CB	93C56 ⊕	DIP-8	128 x 16	Serial (5V)	.48	.46	.34
276630CB	24C02 ⊕	SOIC-8	256 x 8	2-wire serial	.37	.31	.233
368868CB	AT24C02AN-10SI-2.7 ⊕	SOIC-8	256 x 8	2-wire serial, 2.7V, I-temp.	.62	.59	.545
368913CB	AT24C02N-10SI-1.8 ⊕	SOIC-8	256 x 8	2-wire serial, 1.8V, I-temp.	.58	.46	.415

For EPROMs, Flash and more EEPROMs see pages 12 - 16.

Universal Programmer – Pocket Size & Battery Powered

Parallel Port Interface

A unique ASIC pin driver was designed specifically for this latest generation programmer, enabling the first true universal input/output capability. Along with basic functions the software permits setting specially designated functions for any selected device.



GALEP-4

- Supports over 6400 devices: 8-bit and 16-bit EPROM, EEPROM, FLASH EPROM, Serial EEPROMS, all Microcontrollers, GAL/PAL/CE without adapters
- Support for ultra-low voltage devices down to 1.3V
- High speed data transfer: 27C256 read/verify = 2 seconds; program = 8 seconds
- Three separately adjustable voltages for all 40-pins
- Fully compatible with Windows® 95/98/ME/NT/2000/XP
- Integrated editor's many features allow user to edit device data, which can be loaded or saved in INTEL HEX, Motorola S or binary format
- Operates on AC power adapter or 6 NiMH batteries
- Size: 4.5"L x 3.1"W x 1.3"H
- Weight: 0.5 lbs.

Includes: Printer port data cable, power adapter and CD-ROM

System requirements: PC with Pentium® CPU

Part No.	Description	1	5
226309CB	GALEP-4	$369.95	$351.49

Universal EPROM/Flash Programmer w/ USB Interface



- Supports low voltage components up to 2.5V; user selectable verify Vcc with one or two-pass verify voltage
- High speed: 30 sec. to process 16Mbits memory
- Auto detect device pin insertion and contact check
- Select device brand & number by prompt and convenient cross search, FLASH memory auto detection
- Supports EPROMs, EEPROMs, FLASH EPROMs, Serial E/EPROMs, NV RAMs, Microcontrollers, DSPs and PLDs
- Supports file formats JEDEC, binary, Intel 80/86 HEX, Motorola HEX, Tektronic HEX

Includes: USB cable, 12V@1.5A power adapter and CD-ROM software

System requirements: Pentium® II or higher, 32MB RAM minimum, 30MB hard disk space, Windows® 98/ME/2000 operating system

SALE

Part No.	Description	1	5
225939CB	Leaper 48	$575.95	$529.95

512k E(E)PROM/Flash Programmer w/ USB Interface

Compact, portable, and lightweight stand-alone E(E)PROM flash programmer. Also interfaces with your PC through the USB port.



- Programs EPROMs, EEPROMs, Flash EPROMs & more
- 2 sockets for master/slave operation
- Stand-alone mode uses two 9V batteries
- IC parameters are adjustable such as programming algorithm, Vpp voltage, and pulse width
- Supports file formats binary and machine code, INTEL HEX, Motorola HEX
- Supports Windows® 95/98/NT/2000/ME/XP
- Size: 6.3"L x 4.3"W x 1.8"H

Includes: USB cable, 12VDC@500mA power adapter and CD-ROM

Part No.	Description	1	5
220636CB	Leaper-3C	$275.95	$260.00

Lowest Price Guarantee

Have you found a product at a lower print-advertised price? We'll beat that price by 10% right down to our cost!



Electro Design

R RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

For complete product specifications and pictures, please visit www.Jameco.com/Kits

RoHS RoHS Compliant Product ⊕ RoHS Also Available

Color Code Legend: New Sale Lower$ QtySave

Power House Kit



Fig. 1

Stereo Amplifier Kit NEW



Fig. 9

Quartz Clock Machanism Kit



Fig. 17

Fiber Optic Lab Kit



Fig. 18

3D Flashing Christmas Tree Kit



Fig. 19

Flashing Pumpkin Kit



Fig. 20

Telegraph Kit



Fig. 2

Guitar Preamplifier Kit NEW



Fig. 10

Dual Electronic Dice Kit

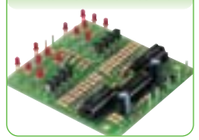


Fig. 3

Sound Generator Kit



Fig. 11

Super Snooper Big Ear Audio Amplifier Kit



Fig. 4

Train Sound Generator Kit



Fig. 12

FM Stereo Transmitter Mini Kit



Fig. 5

Karaoke Kit



Fig. 13

FM Transmitter Kit



Fig. 6

Voice Activated LED Kit



Fig. 14

One Chip AM Radio Kit



Fig. 7

Power Amplifier Module NEW



Fig. 15

30-Watt Stereo Amplifier Kit



Fig. 8

Multifunction Clock Kit



Fig. 16

Part No.	Mfg. P/N	Description	Fig.	No. of Pieces	Exp. Level	Dimensions (L"xW"xH")	Wt. (lbs.)	Pricing 1	Pricing 10
Educational Kits SALE									
307707CB	652111	Detector radio kit	—	29	BEG	10.9 x 6.9 x 1.6	1.0	~~$32.95~~ **$20.65**	**$17.99**
307723CB	628710	Fuel cell car and experiment kit	—	39	INT	8.5 x 4.4 x 6.5	5.0	**139.95**	**125.95**
307731CB	626112	Power house kit	1	59	INT	15.6 x 9.9 x 9	6.0	**139.95**	**125.95**
285624CB	SR-TGI	Telegraph kit	2	—	—	2.7 x 2.7 x 4	~~$49.95~~	**45.85**	**41.69**
Timer Modules and Electronic Dice Kit									
147871CB	I-1	1 sec. to 3 min. timer module	—	—	—	3.0 x 1.7 x 1.2	—	**$19.95**	**$17.95**
147846CB	I-10	3 sec. to 1 min. off cyclic timer module	—	—	—	3.0 x 1.7 x 1.2	~~$22.49~~	**19.95**	**17.95**
200352CB	K3400	Dual electronic dice kit	3	85	INT	3.0 x 2.8	0.5	**18.95**	**16.95**
Audio Transmitters, Amplifier, Sound Generator and Detection Kits									
151204CB	AA-1	Super snooper big ear audio amplifier kit	4	17	INT	1.8 x 1.0 x 0.6	—	**$10.95**	**$9.95**
151239CB	FMST-100	FM stereo transmitter mini kit	5	37	INT	2.7 x 2.0	—	**29.95**	**26.95**
117604CB	K1771	FM transmitter Kit	6	26	INT	1.8 x 2.8	—	**10.19**	**9.99**
211772CB	MK118	FM radio Kit	—	65	INT	4.8 x 3.3	—	**21.95**	**19.95**
125161CB	6063KT	One chip AM radio kit	7	39	INT	4.0 x 1.3 x 0.5	—	**13.95**	**12.95**
147643CB	K4304	10 LED mono VU meter kit	—	36	INT	2.7 x 1.4	0.3	**16.99**	**15.99**
117612CB	K1803	Universal mono pre-amplifier kit	—	17	INT	1.2 x 1.8	—	**8.95**	**7.95**
125111CB	6027KT	1-watt amplifier kit	—	9	INT	1.2 x 1.2 x 0.9	—	**6.29**	**5.59**
127255CB	K4001	7-watt amplifier kit	—	22	INT	2.2 x 1.4	—	**13.95**	**12.49**
136207CB	8405KT	18-watt bridged mono amplifier kit	—	17	BEG	2.2 x 1.1	—	**15.59**	**13.95**
147838CB	E-11	20-watt RMS amplifier module	—	—	—	2.8 x 2.8 x 1.6	—	**24.95**	**22.49**
129138CB	K4003	30-watt stereo power amplifier	8	38	INT	2.8 x 2.0	—	**29.95**	**26.95**
645301CB	K4004B	200W mono / 100W stereo amplifier kit	9	51	INT	8.3 x 3.4 x 2.5	2.5	**91.15**	**89.75**
645327CB	K4102	Guitar preamplifier with headphone output kit	10	84	INT	2.8 x 1.2 x 4.1	0.9	**34.99**	**32.99**
127562CB	K4401	Sound generator kit	11	61	INT	2.8 x 2.8	—	**29.95**	**26.95**
125137CB	DK31	Siren kit	—	20	BEG	2.0 x 0.8 x 0.5	—	**7.95**	**7.15**
125170CB	6101KT	Train sound generator kit	12	11	BEG	1.1 x 0.6 x 0.2	—	**9.49**	**8.59**
215394CB	MK140	Karaoke kit	13	59	INT	3.9 x 3.3 x 1.0	—	**15.95**	**14.35**
313912CB	B110	Stereo tone control kit	—	—	—	4.2 x 1.5	—	**19.95**	**18.95**
313921CB	B009	Antenna amplifier kit	—	—	—	2.2 x 2.2	—	**12.95**	**12.30**
645335CB	K8030	Record / playback module kit	—	64	INT	3.7 x 2.9 x 1.0	0.6	**33.85**	**29.59**
147571CB	MK103	Voice activated LED kit	14	33	INT	2.5 x 1.6 x 1.4	0.1	**9.95**	**8.95**
645239CB	VM100	200W power amplifier module	15	19	—	4.2 x 2.4	1.0	**66.05**	**64.99**
Clock Kits SALE									
319281CB	K8009	Multifunction clock kit	16	—	—	9.9 x 3.1	—	**$99.95**	**$94.50**
319290CB	B8009	Case for multifunction clock kit	—	—	—	12.4 x 3.2 x 1.0	—	**24.95**	**23.70**
239661CB	WCM1	Quartz clock mechanism	17	7	BEG	2.2 x 2.2 x 0.6	0.1	~~$3.49~~ **2.45**	**2.19**
Optical Communications SALE									
177092CB	IR-2	Infrared transmitter/receiver kit	—	26	BEG	1.4 x 1.2	0.1	**$24.95**	**$22.49**
169914CB	IF-LMH	Fiber optic lab kit	18	—	—	—	0.7	**44.95**	**39.95**
Holiday Kits									
211781CB	MK130	3D flashing Christmas tree kit	19	36	INT	3.1 x 3.5 x 4.0	—	**$10.95**	**$9.95**
211764CB	MK116	Santa sleigh and reindeer kit	—	201	EXP	5.7 x 3.2	—	**22.95**	**20.65**
236072CB	MK117	Deluxe Christmas tree kit	—	208	INT	3.2 x 5.6	—	**19.99**	**17.99**
147635CB	MK100	Flashing Christmas tree kit	—	30	BEG	4.0 x 2.4	—	**6.29**	**5.97**
236081CB	MK145	Flashing pumpkin kit	20	71	INT	1.3 x 4.0 x 3.2	—	**9.99**	**8.99**

KIT assembly experience level: BEG = beginner; INT = intermediate; EXP = expert

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

RoHS RoHS Compliant Product ⊕ RoHS Also Available

For complete product specifications and pictures, please visit www.Jameco.com/Kits

Rockit Robot Expert Kit



Fig. 21

Robotic Arm Kit



Fig. 22

Spider Kit



Fig. 23

Running Micro Bug Kit



Fig. 24

Crawling Micro Bug Kit



Fig. 25

Serial LED Display Kit NEW



Fig. 32

Hovercraft Kit



Fig. 26

Jumbo Single Digit Clock Kit NEW



Fig. 33

USB Interactive Card Module NEW



Fig. 27

Moving Message Board NEW



Fig. 34

Code Lock Kit



Fig. 28

Flashing LED American Flag



Fig. 35

Parking Radar Kit



Fig. 29

Metal Detector Kit



Fig. 36

3-Channel Light Organ Kit



Fig. 30

Clean Air Measuring Kit

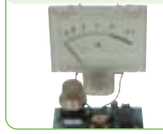


Fig. 37

Voltage Output Distance Sensor Module

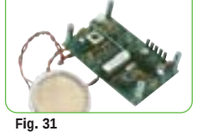


Fig. 31

LED VU Meter Kit

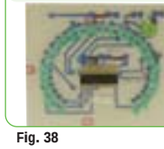


Fig. 38

Part No.	Mfg. P/N	Description	Fig.	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 10
Robotic and Computer Control Kits									
199603CB	769K	Rockit robot expert kit	21	96	EXP	—	1.0	**$21.95**	**$19.55**
157366CB	007	Robotic arm kit (unassembled)	22	109	EXP	—	4.5	**74.95**	**67.49**
159345CB	007/IBM	Robotic controller software (DOS 4.2 & up, Windows® 95/98)			—	—	1.0	**84.95**	**76.49**
140821CB	972K	Spider kit	23	107	EXP	12 x 7 x 3.5	1.2	**49.95**	**45.50**
200328CB	MK127	Running micro bug kit	24	26	INT	4.0 x 2.4	0.2	**18.95**	**16.95**
200336CB	MK129	Crawling micro bug kit	25	29	INT	4.0 x 2.4	0.2	**21.45**	**19.35**
128928CB	K8000	Computer control interface kit	—	301	EXP	9.3 x 5.3	1.7	**139.95**	**125.95**
128910CB	K6714	Universal relay controller card kit	—	64	EXP	8.3 x 5.9	1.8	**59.95**	**53.95**
120678CB	K6501	Remote control by phone kit	—	116	EXP	4.1 x 5.1	0.7	**69.49**	**62.59**
285641CB	561-4562	Hovercraft kit	26	25	BEG	—	0.8	**21.79**	**20.69**
239476CB	K2633	Relay card kit (req. 9VDC@300mA power supply, 133891CB, pg 216)	—	29	INT	3.0 x 2.7	0.4	**19.99**	**18.99**
645263CB	VM110	USB interactive card module	27	—	—	5.7 x 3 x 0.8	0.6	**65.55**	**64.49**
Power Supply and Motor Kits									
117621CB	K1823	1 amp power supply kit	—	12	INT	2.1 x 2.1	0.3	**$12.95**	**$11.65**
20626CB	JE215	Dual adj. regulated power supply kit	—	48	INT	5.1 x 3.5 x 2.0	2.1	**22.95**	**20.49**
120539CB	K8004	DC to pulse width modulator kit	—	40	EXP	3.3 x 1.9 x 1.8	0.5	**22.95**	**20.49**
127829CB	DK67	DC motor speed control kit	—	35	INT	3.6 x 2.3 x 1.2	0.2	**19.95**	**17.95**
139109CB	DK109	Unipolar stepper motor driver kit	—	29	INT	2.6 x 1.9 x 1.0	0.1	**29.95**	**26.95**
181833CB	VM-1	DC voltage monitor kit	—	46	BEG	2.7 x 1.3	0.2	**8.95**	**7.95**
263628CB	K8005	Stepper motor controller card and motor kit	—	102	INT	3.9 x 3.5	0.3	**59.95**	**56.95**
Battery Charger Kits									
239521CB	K8012	Lead acid battery charger kit	—	—	—	3.8 x 5.5 x 1.6	—	**$39.95**	**$37.95**
314211CB	M149	Solar cell battery charger	—	—	—	2.5 x 2.0 x 1.1	—	**16.95**	**16.05**
Electronic Lock Kits SALE									
127554CB	K6400	Code lock kit	28	67	INT	1.7 x 1.8	0.5	~~$29.95~~ **$23.79**	**$21.61**
Distance and Light Kits									
129120CB	K3502	Parking radar kit	29	55	INT	4.9 x 1.9	0.5	**$39.95**	**$34.95**
117639CB	K5300	Stroboscope kit	—	19	EXP	3.5 x 2.6	0.5	**15.49**	**14.99**
131684CB	K8017	3-channel light organ kit	30	80	INT	6.7 x 5.6 x 1.7	1.2	**49.95**	**39.95**
157964CB	LED1007	IR red illuminator kit	—	41	BEG	2" Dia.	0.1	**16.95**	**15.29**
125090CB	DK20	Ultrasonic alarm kit	—	49	INT	2.8 x 2.0 x 0.9	0.1	**29.95**	**26.95**
134105CB	OEM-ARN2	Voltage output distance sensor module	31	—	—	2.8 x 1.8 x 0.9	0.2	**159.95**	**143.95**
151482CB	RS-232	RS-232 output distance sensor module	—	—	—	—	1.0	**179.95**	**161.95**
645221CB	M8063⊕	2-digit serial LED display kit	32	46	INT	2.9 x 2.3 x 1.3	0.8	**47.29**	**43.31**
645044CB	MK153	Jumbo single digit clock kit	33	31	BEG	2.9 x 2.3 x 1.3	0.3	**26.55**	**25.25**
645474CB	MML10⊕	Moving message board	34	—	—	11.8 x 3.5 x 2.8	2.3	**151.95**	**144.35**
200310CB	MK124	Scrolling message kit	—	76	INT	3.5 x 2.6 x 1.8	0.2	**24.95**	**22.45**
147555CB	MK101	Flashing LED sweetheart kit	—	46	INT	2.5 x 2.4 x 1.2	0.1	**11.95**	**10.95**
147580CB	MK102	Flashing LED kit	—	23	INT	1.3 x 1.4 x 0.6	0.1	**7.95**	**7.19**
136223CB	DK-79C	Light sensitive relay kit	—	20	INT	2.4 x 1.3 x 1.0	0.1	**12.95**	**11.65**
285595CB	SR-LBI	Build your own lightbulb kit SALE	—	5	BEG	5.5 x 2.7 x 6.6	0.4	**48.75**	**44.35**
285616CB	SR-LBI-R	Refurbishment pack for lightbulb kit	—	—	BEG	—	—	**12.65**	**11.55**
286969CB	LFB-10	Flashing LED American flag	35	—	—	1.2 x 0.7	—	**3.99**	**3.79**
Test and Measurement Kits									
20685CB	JE2206	Function generator kit	—	21	INT	4.1 x 1.5	0.1	**$24.95**	**$22.95**
129091CB	K7102	Metal detector kit	36	22	INT	2.1 x 2.1	0.4	**11.95**	**10.95**
157315CB	MK108	Water leak alarm kit SALE	—	7	BEG	2.8 x 1.8	0.1	**7.89**	**7.19**
313736CB	B051	Gas/spirits sensor kit	—	—	—	—	—	**29.95**	**28.45**
313832CB	B229	Clean air measuring kit	37	—	—	4.0 x 1.5	—	**29.95**	**21.80**
313904CB	B160	LED VU meter kit	38	—	—	3.7 x 3.7	—	**24.95**	**23.70**

KIT assembly experience level: BEG = beginner; INT = intermediate; EXP = expert

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Color Code Legend: New Sale Lower$ QtySave

Edu & Hobby

For complete product specifications and pictures, please visit www.Jameco.com/Kits

RoHS RoHS Compliant Product ⊕ RoHS Also Available

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Power House Kit



Fig. 1

Stereo Amplifier Kit NEW



Fig. 9

Quartz Clock Machanism Kit



Fig. 17

Fiber Optic Lab Kit



Fig. 18

3D Flashing Christmas Tree Kit



Fig. 19

Flashing Pumpkin Kit



Fig. 20

Telegraph Kit



Fig. 2

Guitar Preamplifier Kit NEW



Fig. 10

Dual Electronic Dice Kit

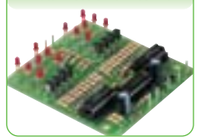


Fig. 3

Sound Generator Kit



Fig. 11

Super Snooper Big Ear Audio Amplifier Kit



Fig. 4

Train Sound Generator Kit



Fig. 12

FM Stereo Transmitter Mini Kit



Fig. 5

Karaoke Kit



Fig. 13

FM Transmitter Kit



Fig. 6

Voice Activated LED Kit



Fig. 14

One Chip AM Radio Kit



Fig. 7

Power Amplifier Module NEW



Fig. 15

30-Watt Stereo Amplifier Kit



Fig. 8

Multifunction Clock Kit



Fig. 16

Part No.	Mfg. P/N	Description	Fig.	No. of Pieces	Exp. Level	Dimensions (L"xW"xH")	Wt. (lbs.)	Pricing 1	Pricing 10
Educational Kits SALE									
307707CB	652111	Detector radio kit	—	29	BEG	10.9 x 6.9 x 1.6	1.0	~~$32.95~~ **$20.65**	**$17.99**
307723CB	628710	Fuel cell car and experiment kit	—	39	INT	8.5 x 4.4 x 6.5	5.0	**139.95**	**125.95**
307731CB	626112	Power house kit	1	59	INT	15.6 x 9.9 x 9	6.0	**139.95**	**125.95**
285624CB	SR-TGI	Telegraph kit	2	—	—	2.7 x 2.7 x 4	~~$49.95~~	**45.85**	**41.69**
Timer Modules and Electronic Dice Kit									
147871CB	I-1	1 sec. to 3 min. timer module	—	—	—	3.0 x 1.7 x 1.2	—	**$19.95**	**$17.95**
147846CB	I-10	3 sec. to 1 min. off cyclic timer module	—	—	—	3.0 x 1.7 x 1.2	~~$22.49~~	**19.95**	**17.95**
200352CB	K3400	Dual electronic dice kit	3	85	INT	3.0 x 2.8	0.5	**18.95**	**16.95**
Audio Transmitters, Amplifier, Sound Generator and Detection Kits									
151204CB	AA-1	Super snooper big ear audio amplifier kit	4	17	INT	1.8 x 1.0 x 0.6	—	**$10.95**	**$9.95**
151239CB	FMST-100	FM stereo transmitter mini kit	5	37	INT	2.7 x 2.0	—	**29.95**	**26.95**
117604CB	K1771	FM transmitter Kit	6	26	INT	1.8 x 2.8	—	**10.19**	**9.99**
211772CB	MK118	FM radio Kit	—	65	INT	4.8 x 3.3	—	**21.95**	**19.95**
125161CB	6063KT	One chip AM radio kit	7	39	INT	4.0 x 1.3 x 0.5	—	**13.95**	**12.95**
147643CB	K4304	10 LED mono VU meter kit	—	36	INT	2.7 x 1.4	0.3	**16.99**	**15.99**
117612CB	K1803	Universal mono pre-amplifier kit	—	17	INT	1.2 x 1.8	—	**8.95**	**7.95**
125111CB	6027KT	1-watt amplifier kit	—	9	INT	1.2 x 1.2 x 0.9	—	**6.29**	**5.59**
127255CB	K4001	7-watt amplifier kit	—	22	INT	2.2 x 1.4	—	**13.95**	**12.49**
136207CB	8405KT	18-watt bridged mono amplifier kit	—	17	BEG	2.2 x 1.1	—	**15.59**	**13.95**
147838CB	E-11	20-watt RMS amplifier module	—	—	—	2.8 x 2.8 x 1.6	—	**24.95**	**22.49**
129138CB	K4003	30-watt stereo power amplifier	8	38	INT	2.8 x 2.0	—	**29.95**	**26.95**
645301CB	K4004B	200W mono / 100W stereo amplifier kit	9	51	INT	8.3 x 3.4 x 2.5	2.5	**91.15**	**89.75**
645327CB	K4102	Guitar preamplifier with headphone output kit	10	84	INT	2.8 x 1.2 x 4.1	0.9	**34.99**	**32.99**
127562CB	K4401	Sound generator kit	11	61	INT	2.8 x 2.8	—	**29.95**	**26.95**
125137CB	DK31	Siren kit	—	20	BEG	2.0 x 0.8 x 0.5	—	**7.95**	**7.15**
125170CB	6101KT	Train sound generator kit	12	11	BEG	1.1 x 0.6 x 0.2	—	**9.49**	**8.59**
215394CB	MK140	Karaoke kit	13	59	INT	3.9 x 3.3 x 1.0	—	**15.95**	**14.35**
313912CB	B110	Stereo tone control kit	—	—	—	4.2 x 1.5	—	**19.95**	**18.95**
313921CB	B009	Antenna amplifier kit	—	—	—	2.2 x 2.2	—	**12.95**	**12.30**
645335CB	K8030	Record / playback module kit	—	64	INT	3.7 x 2.9 x 1.0	0.6	**33.85**	**29.59**
147571CB	MK103	Voice activated LED kit	14	33	INT	2.5 x 1.6 x 1.4	0.1	**9.95**	**8.95**
645239CB	VM100	200W power amplifier module	15	19	—	4.2 x 2.4	1.0	**66.05**	**64.99**
Clock Kits SALE									
319281CB	K8009	Multifunction clock kit	16	—	—	9.9 x 3.1	—	**$99.95**	**$94.50**
319290CB	B8009	Case for multifunction clock kit	—	—	—	12.4 x 3.2 x 1.0	—	**24.95**	**23.70**
239661CB	WCM1	Quartz clock mechanism	17	7	BEG	2.2 x 2.2 x 0.6	0.1	~~$3.49~~ **2.45**	**2.19**
Optical Communications SALE									
177092CB	IR-2	Infrared transmitter/receiver kit	—	26	BEG	1.4 x 1.2	0.1	**$24.95**	**$22.49**
169914CB	IF-LMH	Fiber optic lab kit	18	—	—	—	0.7	**44.95**	**39.95**
Holiday Kits									
211781CB	MK130	3D flashing Christmas tree kit	19	36	INT	3.1 x 3.5 x 4.0	—	**$10.95**	**$9.95**
211764CB	MK116	Santa sleigh and reindeer kit	—	201	EXP	5.7 x 3.2	—	**22.95**	**20.65**
236072CB	MK117	Deluxe Christmas tree kit	—	208	INT	3.2 x 5.6	—	**19.99**	**17.99**
147635CB	MK100	Flashing Christmas tree kit	—	30	BEG	4.0 x 2.4	—	**6.29**	**5.97**
236081CB	MK145	Flashing pumpkin kit	20	71	INT	1.3 x 4.0 x 3.2	—	**9.99**	**8.99**

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Running Micro Bug Kit



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Serial LED Display Kit NEW



Fig. 32

Hovercraft Kit



Fig. 26

Jumbo Single Digit Clock Kit NEW



Fig. 33

USB Interactive Card Module NEW



Fig. 27

Moving Message Board NEW



Fig. 34

Code Lock Kit



Fig. 28

Flashing LED American Flag



Fig. 35

Parking Radar Kit



Fig. 29

Metal Detector Kit



Fig. 36

3-Channel Light Organ Kit



Fig. 30

Clean Air Measuring Kit

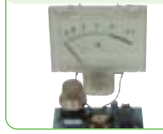


Fig. 37

Voltage Output Distance Sensor Module

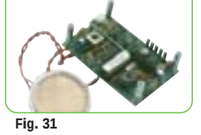


Fig. 31

LED VU Meter Kit

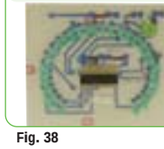


Fig. 38

Part No.	Mfg. P/N	Description	Fig.	No. of Pieces	Exp. Level	Dimensions (L" x W" x H")	Wt. (lbs.)	Pricing 1	Pricing 10
Robotic and Computer Control Kits									
199603CB	769K	Rockit robot expert kit	21	96	EXP	—	1.0	**$21.95**	**$19.55**
157366CB	007	Robotic arm kit (unassembled)	22	109	EXP	—	4.5	**74.95**	**67.49**
159345CB	007/IBM	Robotic controller software (DOS 4.2 & up, Windows® 95/98)			—	—	1.0	**84.95**	**76.49**
140821CB	972K	Spider kit	23	107	EXP	12 x 7 x 3.5	1.2	**49.95**	**45.50**
200328CB	MK127	Running micro bug kit	24	26	INT	4.0 x 2.4	0.2	**18.95**	**16.95**
200336CB	MK129	Crawling micro bug kit	25	29	INT	4.0 x 2.4	0.2	**21.45**	**19.35**
128928CB	K8000	Computer control interface kit	—	301	EXP	9.3 x 5.3	1.7	**139.95**	**125.95**
128910CB	K6714	Universal relay controller card kit	—	64	EXP	8.3 x 5.9	1.8	**59.95**	**53.95**
120678CB	K6501	Remote control by phone kit	—	116	EXP	4.1 x 5.1	0.7	**69.49**	**62.59**
285641CB	561-4562	Hovercraft kit	26	25	BEG	—	0.8	**21.79**	**20.69**
239476CB	K2633	Relay card kit (req. 9VDC@300mA power supply, 133891CB, pg 216)	—	29	INT	3.0 x 2.7	0.4	**19.99**	**18.99**
645263CB	VM110	USB interactive card module	27	—	—	5.7 x 3 x 0.8	0.6	**65.55**	**64.49**
Power Supply and Motor Kits									
117621CB	K1823	1 amp power supply kit	—	12	INT	2.1 x 2.1	0.3	**$12.95**	**$11.65**
20626CB	JE215	Dual adj. regulated power supply kit	—	48	INT	5.1 x 3.5 x 2.0	2.1	**22.95**	**20.49**
120539CB	K8004	DC to pulse width modulator kit	—	40	EXP	3.3 x 1.9 x 1.8	0.5	**22.95**	**20.49**
127829CB	DK67	DC motor speed control kit	—	35	INT	3.6 x 2.3 x 1.2	0.2	**19.95**	**17.95**
139109CB	DK109	Unipolar stepper motor driver kit	—	29	INT	2.6 x 1.9 x 1.0	0.1	**29.95**	**26.95**
181833CB	VM-1	DC voltage monitor kit	—	46	BEG	2.7 x 1.3	0.2	**8.95**	**7.95**
263628CB	K8005	Stepper motor controller card and motor kit	—	102	INT	3.9 x 3.5	0.3	**59.95**	**56.95**
Battery Charger Kits									
239521CB	K8012	Lead acid battery charger kit	—	—	—	3.8 x 5.5 x 1.6	—	**$39.95**	**$37.95**
314211CB	M149	Solar cell battery charger	—	—	—	2.5 x 2.0 x 1.1	—	**16.95**	**16.05**
Electronic Lock Kits SALE									
127554CB	K6400	Code lock kit	28	67	INT	1.7 x 1.8	0.5	~~$29.95~~ **$23.79**	**$21.61**
Distance and Light Kits									
129120CB	K3502	Parking radar kit	29	55	INT	4.9 x 1.9	0.5	**$39.95**	**$34.95**
117639CB	K5300	Stroboscope kit	—	19	EXP	3.5 x 2.6	0.5	**15.49**	**14.99**
131684CB	K8017	3-channel light organ kit	30	80	INT	6.7 x 5.6 x 1.7	1.2	**49.95**	**39.95**
157964CB	LED1007	IR red illuminator kit	—	41	BEG	2" Dia.	0.1	**16.95**	**15.29**
125090CB	DK20	Ultrasonic alarm kit	—	49	INT	2.8 x 2.0 x 0.9	0.1	**29.95**	**26.95**
134105CB	OEM-ARN2	Voltage output distance sensor module	31	—	—	2.8 x 1.8 x 0.9	0.2	**159.95**	**143.95**
151482CB	RS-232	RS-232 output distance sensor module	—	—	—	—	1.0	**179.95**	**161.95**
645221CB	M8063⊕	2-digit serial LED display kit	32	46	INT	2.9 x 2.3 x 1.3	0.8	**47.29**	**43.31**
645044CB	MK153	Jumbo single digit clock kit	33	31	BEG	2.9 x 2.3 x 1.3	0.3	**26.55**	**25.25**
645474CB	MML10⊕	Moving message board	34	—	—	11.8 x 3.5 x 2.8	2.3	**151.95**	**144.35**
200310CB	MK124	Scrolling message kit	—	76	INT	3.5 x 2.6 x 1.8	0.2	**24.95**	**22.45**
147555CB	MK101	Flashing LED sweetheart kit	—	46	INT	2.5 x 2.4 x 1.2	0.1	**11.95**	**10.95**
147580CB	MK102	Flashing LED kit	—	23	INT	1.3 x 1.4 x 0.6	0.1	**7.95**	**7.19**
136223CB	DK-79C	Light sensitive relay kit	—	20	INT	2.4 x 1.3 x 1.0	0.1	**12.95**	**11.65**
285595CB	SR-LBI	Build your own lightbulb kit SALE	—	5	BEG	5.5 x 2.7 x 6.6	0.4	**48.75**	**44.35**
285616CB	SR-LBI-R	Refurbishment pack for lightbulb kit	—	—	BEG	—	—	**12.65**	**11.55**
286969CB	LFB-10	Flashing LED American flag	35	—	—	1.2 x 0.7	—	**3.99**	**3.79**
Test and Measurement Kits									
20685CB	JE2206	Function generator kit	—	21	INT	4.1 x 1.5	0.1	**$24.95**	**$22.95**
129091CB	K7102	Metal detector kit	36	22	INT	2.1 x 2.1	0.4	**11.95**	**10.95**
157315CB	MK108	Water leak alarm kit SALE	—	7	BEG	2.8 x 1.8	0.1	**7.89**	**7.19**
313736CB	B051	Gas/spirits sensor kit	—	—	—	—	—	**29.95**	**28.45**
313832CB	B229	Clean air measuring kit	37	—	—	4.0 x 1.5	—	**29.95**	**21.80**
313904CB	B160	LED VU meter kit	38	—	—	3.7 x 3.7	—	**24.95**	**23.70**

KIT assembly experience level: BEG = beginner; INT = intermediate; EXP = expert

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

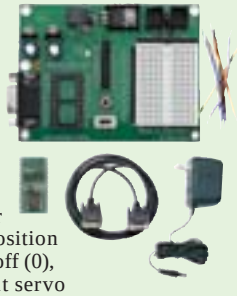
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Edu & Hobby

PARALLAX

Robotic Controller Kits

Board of Education Full Kit



The new Board of Education Revision C carrier board has two major changes from the Revision B. The jumper near the servo connector will select either Vdd (5 V) or Vin (unregulated input voltage) to power the servos. The three-position power switch is either off (0), power to everything but servo connectors (1) or power to everything (2).

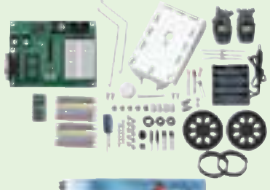
- Mechanically interlocked power supply to prevent dual connection of wall pack and 9V battery
- DB9 connector for programming and serial I/O
- Female 10-pin dual row connector for optional AppMods • P0 – P15 I/O pins

Includes: Board of Education carrier board, BASIC Stamp 2 module, pluggable wires, serial cable, CD-ROM and power supply

Part No.	Product No.	1	10
283101CB	28102	$118.95	$96.99

Boe-Bot Full Kit







Now with Robotics text v2.0! The new text includes 41 activities for the Boe-Bot and PBASIC 2.5 source code support. The Boe-Bot's flexibility stems from the fact that it's a rolling Board of Education. The Board of Education and Basic Stamp may be removed to be used as your platform for the other Stamps in Class curriculum. The robot may be programmed to follow a line, solve a maze, follow light, or communicate with another robot. Requires 4AA batteries (not included).

Part No.	Product No.	1	10
282933CB	28132	$198.99	$189.00





Check out Jameco's great selection of Robot products at www.RobotStore.com

Advanced Toddler Robot Kit



Walking robots have mechanical and software interdependencies that require in-depth examples and explanation. The Advanced Robotics text is an introduction to the Toddler robot's basic movements. Students using the Toddler robot will learn advanced embedded programming with BASIC, efficient code development, sensor feedback, and general control. Because of the number of possible movements, we consider the Toddler to be appropriate for those aged 14 and above.

- Height: 10" • Weight: 4.0 lbs.

Includes: 155-page Advanced Robotics text in the Stamps in Class style and the 351-page BASIC Stamp Manual

Part No.	Product No.	1	10
282837CB	2731	$248.95	$236.49

BS2 Educational Starter Kit



This complete "Getting Started" kit is enhanced to include the *What's a Microcontroller?* (WAM) curriculum. Includes all of the BASIC Stamp hardware required to complete the activities and challenges. With this latest edition of the kit, you will receive the *What's a Microcontroller?* parts and text making this combination a bona fide "Getting Started" kit. With the WAM kit you'll get your feet wet through a series of over 40 activities designed to provide you with the best possible introduction to the world of BASIC Stamps.

Includes: BASIC Stamp 2 module, Board of Education Programming Board, BASIC Stamp Manual, CD-ROM, jumper wires and a serial cable

Part No.	Product No.	1	10
282829CB	27207	$158.95	$152.95

Robot Builder's Source Book



McGraw-Hill Everything you need to find and acquire common and uncommon robotic parts and supplies. Jameco and over 2500 mail order suppliers and other sources, including local and international businesses all cross-referenced and categorized to make your search quick and easy. (711 pages, 2003)

- Size: 8.5" x 10.0" • Weight: 3.9 lbs.

Part No.	Description	Price
213461CB	Robot Builder's Source Book	$16.95

Stamp Works Kit



This all-in-one kit takes you beyond theory, into a well-written collection of 32 experiments that will teach you first class BASIC Stamp programming. You'll learn to get the most out of the BASIC Stamp and to increase its versatility by connecting to popular active and passive components.

Includes: Manual, BASIC Stamp Experiment Board, BS2-IC, 2x16 parallel LCD with custom cable, digital multimeter with 2 probes, wire cutter/stripper/pliers, three 100' rolls 22 AWG wire, screwdriver kit, photoresistor, 555 timer, 8-bit serial-to-parallel and 8-bit parallel chips, Dallas Semiconductor 1620 digital thermometer and real-time clock with 32.768MHz crystal, National Semiconductor ADC0831 8-bit A/D converter, Maxim 7219 8-digit LED display driver, National Semiconductor LM358 op-amp, stepper motor, servo, power supply, resistor assortment, capacitors, serial cable, CD-ROM and plastic box for parts

- Weight: 4.0 lbs.

Part No.	Product No.	Price
184946CB	27297	$348.95

BS2P Professional Starter Kit



Provides the engineer with all the parts required to get started with the BSP2 microcontroller. The kit includes a selection of components and ready-to-run source code that will help master some of the exciting new features of the BSP2.

Lower $$$

Includes: Manual, BS2P demo board, BS2P-24 microcontroller, DB9 (serial) programming cable, PCF8583 chip, 32.678kHz crystal, 24LC32 serial EEPROM, DS1822 thermometer, (3) 4.7K resistors, jumper wires

Part No.	Product No.	1	10
202323CB	27235 kit	~~$207.95~~ $194.95	$175.49
282984CB	45187 BS2P40 demo board	88.95	84.95

Robot Builder's Bonanza



TAB Publishing This fascinating guide offers a complete, unique collection of tested and proven project modules that you can mix and match to create an almost endless variety of highly intelligent and workable robot creatures. (753 pages, 2001)

SALE

- Size: 7.3" x 9.2" • Weight: 2.5 lbs.

Part No.	Description	Price
137171CB	Robot Builder's Bonanza	$17.95

See page 233 for an index of Electronics-Industry books offered in this catalog.

Edu & Hobby

Basic Analog and Digital Parts & Text V1.2



Covers the essentials of 8-bit A/D & D/A conversion using a BASIC Stamp. Introduces PBASIC commands for A/D conversion with resistor/capacitor circuits, interfacing an ADC0831 8-bit A/D converter, scaling analog outputs into meaningful digital values, analyzing time-varying signals and using PWM as analog output.

PARALLAX

Part No.	Product No.	1	10
282950CB	28155	$43.95	$40.29

Industrial Control Parts & Text



PARALLAX

SALE

An educational tutorial on process control with the BASIC Stamp. Methods of process control are demonstrated in detail using a simple desktop heater system. A fan provides an external disturbance to the closed-loop system.

Part No.	Product No.	1	10
176575CB	28156	~~$58.49~~ $49.95	$44.96

Microcontroller Application Cookbook Vol. 1 & 2



Vol. 1 is a wide-ranging collection of 113 interface circuits designed around the BASIC Stamp 2. For somebody getting started with microcontrollers. Discusses timing diagrams, interfacing, A/D conversion and how to control a high-voltage circuit with a solid-state relay.

PARALLAX

Vol. 2 is a new collection of 154 interface circuits designed around the BASIC Stamp 2.

Part No.	Product No.	1	10
282925CB	28113	$59.95	$59.55

Servo Controller



Controls up to 16 servos and may be networked together so that two servo controllers can control 32 servos using a single I/O line.

- 2400 to 384k baud serial port
- 63 ramp rates
- 16-bit PWM timers
- RS-232 serial protocol

Part No.	Product No.	Description	1	10
282896CB	28023	Servos controller	$38.95	$36.95

High-Efficiency Robotic Servo



Excellent power-to-weight ratio for robotic projects.

- Supply voltage: 4.8-6 volts
- Speed: 16 seconds to 60˚
- Torque: 49 oz.-in. @ 4.8V
- Can be operated by P/N 151001CB, pg 151
- 0.8"W x 1.4"D x 1.6"H

Part No.	Description	1	10
157067CB	Robotic servo	$19.95	$17.95

Giant Robotic Ball-Bearing Servo



Extremely powerful! Perfect for large robotic projects where power is a must.

- Torque: 161 oz.-in.
- Power supply: 4.8-6 volts
- Speed: 19 seconds to 60˚
- Can be operated by P/N 151001CB, pg 151

Part No.	Description	1	10
166351CB	Giant robotic servo	$49.95	$44.95

Flex Sensor



- Maximum resistance: 30kΩ to 40kΩ, proportional to the degree of flexing or bending
- Applications: virtual reality data gloves, robotic, bio-metric, physics and engineering

Part No.	Description	Nominal Resistance	1	10
150551CB	Flex sensor	10Ω	$12.95	$11.65

Crossbow Accelerometer Evaluation Boards



177308CB

Dual Axis

Evaluation board for the ADXL202, dual axis, 2g accelerometer.

177308CB: features RS-232 interface to connect to PC serial ports. Also includes software to display real time acceleration data.

Part No.	Product No.	Description	1	10
177287CB	ADXL202EB	Dual axis	$59.95	$53.95
177308CB	ADXL202EB-232	w/ RS-232	159.95	149.95

MONDO•TRONICS Flexinol Muscle Wires®



These unique nickel-titanium alloy Muscle Wires® actually shorten in length when electrically powered, and can lift thousands of times their own weight. • Length: 1 meter

How it works... *Pressing the switch lets power flow from the batteries through the Muscle Wire®, heating it and causing it to contract, raise the lever and lift the weight. When power is removed, the Muscle Wire® cools and relaxes, and the weight helps it return to its starting position.*

141348CB: Muscle Wires® Book & Deluxe Kit

- Kit includes one each Flexinol 100, 150 and 250 Muscle Wires® and Project Book
- 3 meters of wire

Includes: Crimps and instructions

Part No.	Description	Wire Dia. (microns)	Linear Resistance (ohm/m)	Typical Current (mA)	Deform Weight* (grams)	Recovery Weight* (grams)	Typical Rate**	Pricing 1	Pricing 10
141321CB	100LT	100	150	180	28	150	33	$17.95	$15.95
141874CB	150LT	150	50	400	62	330	20	16.95	15.29
160055CB	375LT	375	8	2750	393	2000	4	22.95	19.95

* *Multiply by 0.0098 to get force in Newtons* ** *Cycles per minute, in still air, at 20˚ Centigrade*

Part No.	Description	1	10
141348CB	Muscle Wires® kit	$59.95	$56.95

Crossbow Accelerometer



141575CB

Triple Axis Accelerometer

- Dynamic range and excellent frequency response
- Current: 24mA
- Axis: 3
- Shielded cable: 2-foot pigtail
- Acceleration range: ±4g
- Size: 1.9"L x 1.0"W x 0.8"H

Requires: 5VDC power supply, not included (recommend P/N 164101CB, pg 215)

Part No.	Description	1	10
141575CB	CXL04LP3	$339.95	$319.95
141583CB	Digital interface card	299.95	269.95

Precision Navigation, Inc. Vector 2X Compass Module



- Pin selectable BCD or binary output format (compatible with Motorola SPI and National Microwire)
- Raw uncalibrated magnetometer output optional
- Master or slave capability for data clock generation
- 2˚ accuracy, 1˚ resolution
- 3-wire serial output format
- Hard iron calibration
- 5Hz sampling rate

Requires: Power supply 5V @ 10mA (recommend P/N 112070CB, pg 215)

Part No.	Description	1	10
126703CB	Vector 2X module ⊕	$49.95	$44.95

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Details on page 305.

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26-Pitch Press-Fit Gears and Gear Set

- Works with DC motors with 0.156" and 0.078" shaft diameter
- Heavy-duty plastic construction
- Diametral pitch: 26
- Material: polyethylene resin


162392CB 162093CB 131801CB

131801CB: 20-piece gear set includes 2 each of all the gears and bushings shown below.

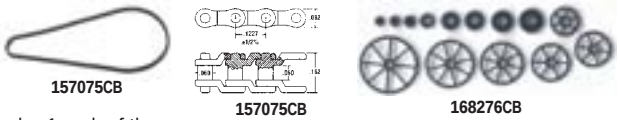
✳ **Prepackaged: please order in increments of 10 or 100**

Part No.	Description	Bore Size	PitchDia.	Works w/ Shaft Dia.	Outer Gear Dia.	1	10	100
162069CB	10 teeth gear	0.149"	0.378"	0.156 (5/32)"	0.455"	$.89	$.69	$.55
162077CB	20 teeth gear	0.149"	0.756"	0.156 (5/32)"	0.842"	.89	.69	.49
162085CB	30 teeth gear	0.149"	1.142"	0.156 (5/32)"	1.225"	.89	.69	.49
162093CB	40 teeth gear	0.149"	1.540"	0.156 (5/32)"	1.623"	.89	.69	.49
162106CB	50 teeth gear	0.149"	1.900"	0.156 (5/32)"	1.985"	.89	.69	.49
162392CB	Bushing	0.075"	—	0.078 (5/64)"	—	✳	.25	.22

Part No.	Description	1	10	50
131801CB	Gear set – 20 pieces of all the gears and bushings shown above	$7.99	$7.29	$6.49

16-Pitch Sprocket Set and Chain

- Operates in high humidity and corrosive environments
- Chain links can easily be added or removed to adjust total length
- Chain tension load: 2.0 lbs.


157075CB 157075CB 168276CB

168276CB: 14-piece sprocket set includes 1 each of the following: 8, 9, 10 teeth with 1/8" bore size; 12, 15, 16, 18, 20, 24, 30, 32, 36, 40 and 48 teeth with 1/4" bore size

Part No.	Description	1	10	25
157075CB	Drive chain (12" long)	$9.95	$8.95	$7.95
168276CB	Sprocket set - 14 pieces (see description above)	29.49	26.49	23.89

Hub and 48-Pitch Gear Set

- Low coefficient of friction requires little or no lubrication
- Residual stress removed by annealing process


157104CB 168284CB

168284CB: 12-piece gear set includes 1 each of the following: 10 teeth with 3/32" bore size; 14 and 16 teeth with 1/8" bore size; 20, 24, 30, 36, 44, 54, 66, 84 and 100 teeth with 1/4" bore size

Part No.	Description	1	10	25
157104CB	1/4" bore aluminum mounting hub w/ set screws	$5.19	$4.69	$4.15
168284CB	Gear set - 12 pieces (see description above)	39.95	34.95	31.95

Selectable Gear Box Kit



OWI® Great 35-piece kit for learning about gear ratios or to add a gear box to your robot project. See-through case has gear ratios from 6.8:1 to 807.93:1.

- Difficulty level: intermediate

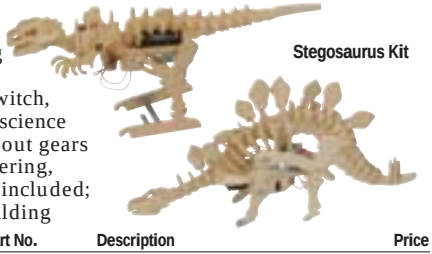
Part No.	Description	Dimensions	Price
145509CB	Selectable gear box kit with 3V motor	2.5"L x 1.1"W x 1.5"H	$15.95

Motorized Wooden Kits

Kits, ideal for your child.

Your child will love building these kits and watching them walk. These kits come with "kid friendly" pre-punched wooden parts, gearbox, gears, shafts, switch, motor, and battery holder. A marvelous educational science project for ages 8 and up, and a great way to learn about gears and transmissions. These kits require no glue or soldering, just a few simple hand tools, and 2 AA batteries (not included; see pages 225-226 for batteries). Your kids will be building these kits in no time.

- Gear driven transmission
- Requires: knife, screw driver, and long-nose pliers


Tyrannosaurus Kit

Stegosaurus Kit

Part No.	Description	Price
242915CB	Stegosaurus kit	$11.95
242923CB	Tyrannosaurus kit	11.95

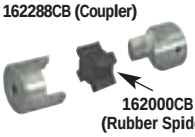


We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronics needs. Please send requests to NewProducts@Jameco.com

Spider Couplers

- Used with motors
- 1 set screw per hub
- Hub OD: 0.625" Dia.
- Hub length: 0.56"
- Parts sold individually


162288CB (Coupler)

162000CB (Rubber Spider)

Part No.	Description	1	10	50
162288CB	.125" (3.18 mm) ID hub	$1.35	$1.15	$.86
161998CB	.197" (5.00 mm) ID hub	1.09	.89	.59
162270CB	.250" (6.35 mm) ID hub	1.35	1.19	1.09
162000CB	Rubber spider	1.29	1.15	1.05

Climax Spider Shaft Couplers

209285CB/106606CB:

- 1 set screw per hub
- Hub OD: 0.625"Dia.
- Hub length: 0.56"


209285CB 106606CB

138288CB:

- 2 set screws (10-32 x 1/8)
- Size: 0.75"L x 0.5"OD


138288CB

Part No.	Description	1	10	100
209285CB	.156" ID shaft hub	$.85	$.65	$.49
106606CB	.250" ID shaft hub	.75	.69	.59
138288CB	.250" ID sleeve coupler	4.49	4.05	3.65

Gears and Shafts Kit

Bag of gears, shafts and accessories. Great for science projects. All parts fit 2mm shaft motors.



Part No.	Description	1	10
215298CB	Gears and shafts kit	$5.89	$5.29



Check out Jameco's great selection of Gears, Shafts, Motors and more at www.RobotStore.com





Mobile Robotic Car Design Book

McGraw Hill



This book describes in complete detail how to build a robotic car. It provides detailed photographs, schematics, list of vendors for parts, and provides software code for the processor and the digital signal processor with an explanation of what the code does and why. Printed circuit board files are free, and can be downloaded from www.books.mcgrawhill.com / authors / Kachroo Mellodge. (278 pages, 2005)

Part No.	Description	Price
313592CB	Mobile Robotic Car Design	$23.95

Edu & Hobby

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Jameco warrants all merchandise against defects in material or workmanship for a period of 90 days from the original purchase date unless otherwise stated in writing by Jameco. If Jameco receives the product considered to be defective within this warranty period and the product is determined to be defective, Jameco will, at its sole option and discretion, either repair or replace the product. The foregoing is your sole and exclusive remedy and states Jameco's entire liability arising out of this warranty. [However, Jameco will transfer to customer whatever transferable warranties and indemnities Jameco receives from the manufacturer of the products. Any claims arising from such manufacturer's warranties shall be the sole responsibility of the manufacturer and not of Jameco.] Moreover, Jameco's limited warranty is void if the damage or defect has resulted from improper customer assembly, failure by customer to follow instruction, product modification, negligent or improper operation, accident, abuse or misapplication. Products returned to Jameco pursuant to this warranty must be returned to Jameco prepaid.

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5 EASY WAYS TO ORDER

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call 1·650·592·8097

24-hour Ordering Hotline!

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US / Canada: 1·800·237·6948
Brazil: 000·817·455·6119
Columbia: 980·9·136748
Indonesia: 1·803·015·237·6948
Mexico: 001·800·593·1449
New Zealand: 080·044·0470
Other Countries: 1·650·592·2503

Online: http://www.Jameco.com
On-line catalog! Our complete offering of over 48,000 products searchable on the Jameco website!

Mail: E-mail your order to:
sales@Jameco.com or fill out the order form (next page) and mail it to us.

In-Person: Visit Jameco at 1355 Shoreway Rd., Belmont, CA. Will-call office hours are 8:00 a.m. – 5:00 p.m. Monday – Friday.

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The following services are available at 1-650-592-8097 Monday – Friday from 6:30 a.m. – 5.00 p.m. PST or via e-mail:

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- Customer Service (custservice@Jameco.com)
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Toll-Free Hotline!

Please call us at 1-800-831-4242.

A Nuestros Clientes en

La Republica Mexicana: Si usted requiere tratar en Espanol y adquirir nuestros productos facturados L.A.B. Cd. De Mexico (libres de Aduana) y enviados al interior del pais via Estafeta, contacte con nuestro Representante y Distribuidor en Mexico:

Proyeccion Electronica de Mexico S.A. de C.V.
General E-mail: infojameco@yahoo.com.mx
Phone / Fax: 01-(55) 1676-1658 /
Ask for tone for Fax transmission
Direccion:
Paseo de las Haciendas 262 Planta Alta
Fracc. Jardines de la Hacienda C.P. 54720
Cuautitlan Izcalli, Estada de Mexico, Mexico

Los demas paises de Latinoamerica: Ya pronto tendremos servicio en su Region. Si usted tiene alguna duda o comentario respecto a los servicios de Jameco, contacte con la empresa arriba mencionada en la Ciudad de Mexico, ellos le pueden ayudar.

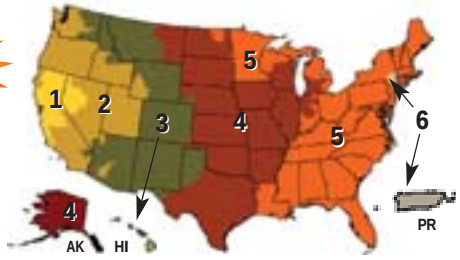
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Prices are effective 01-09-06. In the unlikely event you find a lower price in a printed catalog or magazine, simply call us with the details at the time of purchase. We'll beat any price by 10% as long as it's above our cost. Prices and discounts are subject to change without notice. We are not responsible for any typographical errors in this catalog. Photos are representative; product appearance may vary.

ONLINE INFORMATION

Get answers to frequently asked questions on the Jameco website at:
http://www.Jameco.com

SHIPPING INFORMATION



Guaranteed Delivery Time for UPS Ground (Business Days)

1 day	2 days	3 days
4 days	5 days	6 days

Orders received Mon.–Fri. by 6:00 p.m. Eastern Standard Time will be shipped the same day. Orders received Saturday and Sunday will ship the following Monday (except on holidays). If we are unable to fill your order on the day received, we will send you a gift certificate worth $5.00 towards your next Jameco purchase. This offer does not apply to orders waiting for credit approval or backordered items.

Options and Rates*

Shipping delivery times are based on working days. Sorry we are unable to ship products mailed from an alternate warehouse via C.O.D. or U.S.P.S.

Ground Service
Up to 6 working days for commercial address (up to 9 working days for residential). Guaranteed delivery times may vary depending on zip code. $6.49 for 1st 2 lbs.; $0.79 for each additional lb.

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$13.95 for 1st 2 lbs.; $1.99 for each additional lb.

Next Day Air Service
- $31.95 for AM delivery for 1st 2 lbs.; $2.69 for each additional lb.
- $21.95 for afternoon delivery for 1st 2 lbs.; $2.49 for each additional lb.

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$5.95 for 1st lb.; $1.49 for each additional lb. Order must be placed before 5:00 p.m. Eastern Standard Time to ship same day.

Packaging Weight
Packaging weight will be assessed at 1/2 lb., plus an additional 1/2 lb. for each 10 lbs. of product.

* The above rates apply to single box shipments through UPS that are less than 50 lbs. Please call for shipping quote on packages greater than 50 lbs. or for other carriers. Jameco reserves the right to rebill shipping surcharges for customer misaddressed packages.

International Shipping & Handling

Shipping is via courier or postal service, depending on your preference, insurance availability, and the size and weight of your package. Jameco will apply actual shipping charges with a nominal handling charge on all foreign orders. For mail-in customers, please include 25% for shipping charges or call for a shipping quotation. All returns that meet postal requirements must be sent prepaid via air parcel post. All courier shipments to Canada and Mexico require a certificate of origin.

POLICIES

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Please do not send confirming orders. If company policy necessitates a confirming order, please mark "CONFIRMING" boldly on the first page of the order.

No Minimum Order

A $5.00 processing fee will be added to U.S. orders under $25.00. This fee will be waived on web orders. All international orders below $40.00 will incur a $7.50 processing fee.

See previous page for Ordering Information

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1 Ordered By (We will ship to this address unless you enter #2).

Customer No._____ **VIP No.**_____
(see back cover)

Company

Name of Requisitioner Title

Name of Purchasing Agent Title

Street Address/PO Box Number

City State Zip Code

Contact information (please provide all information and check method preferred)

( ) _____
Daytime phone number - Required for Credit Card Orders

( ) _____
Fax Number

E-mail Address

☐ Please check this box if you prefer not to receive special offers via e-mail from Jameco.

2 Ship To (Only required if different from #1)

Company

Name Title

Street Address/PO Box Number

City State Zip Code

3 Method of Payment

☐ Prepaid (check enclosed) ☐ C.O.D. ($7.50 service charge)

☐ Net 30 Days (Account must be previously established. Authorized P.O. # required.)

PURCHASE ORDER NO.: _____

☐ Credit Card VISA MC AMEX DISCOVER

Credit Card users only:

Credit Card Number

Exp. Date: Month Year Name on card _____

Billing Address Street/PO Box City/State/Zip

4

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION	PAGE NO.	WEIGHT (LBS.)	UNIT PRICE	TOTAL
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

PRODUCT WEIGHT		SUB-TOTAL	
Packaging Weight (Add 1/2 lb. + 1/2 lb. for each 10 lbs. of product)			
Total Weight (Round to next lb.)			

5 Please Check Shipping Method Below

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Some restrictions may apply. See order information (previous page) for other shipping methods and conditions of sale. Shipping rate is based on a single package shipment.

$5.00 processing fee on U.S. orders under $25; $7.50 for international orders under $40 (fees waived for web orders)	
Please Add Applicable Sales Tax (California Only)	
Shipping (See Item 5)	
C.O.D. (add $7.50)	
Credit Memo (please attach)	—
TOTAL	

6 JAMECO thanks you for your order!

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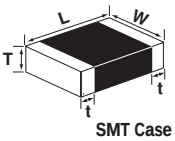
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100s More NEW Capacitors see pgs 63-77

Multilayer Ceramic Chip Capacitors



Jameco EXCLUSIVE NEW

SMT Case Dimensions (mm)

	0402	0603	0805	1206	1210
L	1.0	1.6	2.0	3.2	3.2
W	0.5	0.81	1.25	1.6	2.5
T	1.02	1.02	0.065	1.55	1.02
t	0.25	0.35	0.25	0.5	0.5

X5V Series (+80%, -20%)

JAMECO ValuePro	0402 SMT		Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
543777CB	0.1uF	16	$.163	$.104	$.099	$.099

Y5V Series (±20%)

0603 SMT			Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
649782CB	0.01uF	50	$.063	$.046	$.026	$.018
649838CB	0.1uF	25	.077	.046	.018	.026
649846CB	0.15uF	25	.154	.091	.053	.036
649854CB	0.22uF	25	.077	.046	.026	.018
649791CB	0.22uF	50	.077	.046	.026	.018
649862CB	0.33uF	25	.154	.091	.053	.036
649803CB	0.33uF	50	.077	.046	.026	.018
649871CB	0.47uF	16	.077	.046	.026	.018
649811CB	0.47uF	50	.077	.046	.026	.018
649820CB	0.68uF	50	.077	.046	.026	.018
649897CB	1uF	10	.077	.042	.026	.018
649889CB	1uF	16	.077	.046	.026	.018

Y5V Series (+80%, -20%)

JAMECO ValuePro	0603 SMT		Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
543890CB	0.1uF	25	$.087	$.052	$.03	$.021
544112CB	1uF	10	.087	.051	.03	.021

Y5V Series (+80%, -20%)

0805 SMT			Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
650599CB	0.01uF	50	$.077	$.046	$.026	$.018
650601CB	0.022uF	50	.077	.046	.026	.018
650610CB	0.047uF	50	.077	.046	.026	.018
650644CB	0.10uF	25	.077	.046	.026	.018
650628CB	0.10uF	50	.077	.046	.026	.018
650652CB	0.22uF	25	.116	.068	.039	.027
650636CB	0.22uF	50	.116	.068	.039	.027
650661CB	0.47uF	25	.154	.091	.053	.036
650687CB	1uF	16	.238	.21	.131	.091
650679CB	1uF	25	.231	.137	.079	.055
650695CB	2.2uF	16	.501	.296	.171	.118
650708CB	4.7uF	10	.65	.387	.223	.155

JAMECO ValuePro	1206 SMT		Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
544737CB	1uF	50	$.304	$.182	$.106	$.074
544745CB	4.7uF	16	.70	.416	.243	.169
Other Manufacturers — Great Deals						
651541CB	0.10uF	50	$.231	$.137	$.079	$.055
651559CB	0.22uF	50	.424	.25	.144	.10
651567CB	0.47uF	50	.347	.205	.118	.082
651575CB	1uF	50	.27	.159	.092	.064
651583CB	2.2uF	25	.385	.228	.131	.091
651591CB	4.7uF	16	.62	.364	.21	.146
651604CB	10uF	10	.77	.455	.263	.182

1210 SMT			Pricing per each*			
Part No.	Capacitance	Volt.	10	100	500	1000
Other Manufacturers — Great Deals						
651815CB	10uF	16	$2.08	$1.23	$.71	$.491
651823CB	22uF	10	2.09	1.05	1.04	.72

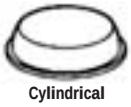
* Prepackaged: order in quantity increments shown

3M Bumpon™ Protective Products

These durable, pressure sensitive, adhesive-backed urethane bumpers provide many high performance advantages: adheres quickly and stays in place on a variety of surfaces, work-saving alternative to mechanical fastening, resists marring and staining on surfaces, excellent skid and abrasion resistance.


Hexagon Die Cut


Hemisphere


Cylindrical


Hexagonal Cone

Part No.	Description	Color	1	10	25
651891CB	Hexagon die cut shape (132 pieces per pack)	Light brown	$7.25	$6.44	$5.78
651903CB	Hemisphere shape (96 pieces per pack)	Clear	7.25	6.44	5.78
651911CB	Cylindrical shape (56 pieces per pack)	Clear	7.25	6.44	5.78
651920CB	Cylindrical shape (56 pieces per pack)	White	7.25	6.44	5.78
651938CB	Hexagonal cone shape (132 pieces per pack)	Clear	8.15	7.21	6.48

3M Scotch-Brite™ General Purpose Scour Pad

Synthetic scouring pad is excellent for common cleaning jobs. Performs well on walls, railings, desks, counters, and maintenance equipment.



• Color: green • Size: 6" x 9"

Part No.	Description	1	10	25
652181CB	Scour pad	$.85	$.73	$.66

3M Scotch-Brite™ Medium Duty Scrub Sponge

A dual action cleaning scrub sponge. It's a No. 96 scouring pad on one side and on the other is a cellulose sponge.



• Size: 3.6"W x 6.1"L x 0.7" Thick

Part No.	Description	1	10	25
652199CB	Scrub sponge	$2.69	$2.41	$2.16

RoHS compliant product ⊕ This product available in RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

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- Temp. rating: -20°C to +85°C



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